#### 2016 Mathematical Contest in Modeling® Press Release—April 8, 2016

COMAP is pleased to announce the results of the 32nd annual Mathematical Contest in Modeling (MCM). This year, 7421 teams representing institutions from thirteen countries participated in the contest. Thirteen teams from the following institutions were designated as OUTSTANDING WINNERS:

Adlai E. Stevenson High School, Lincolnshire, IL, USA (Ben Fusaro Award) Chongqing University, Chongqing, China (INFORMS Award) Northwestern Polytechnical University, Xi'an, China Shanghai Jiao Tong University, Shanghai, China Shanghai University of Finance and Economics, Shanghai, China Southwest Jiaotong University, Chengdu, China (SIAM Award) Southwestern University of Finance and Economics,

Chengdu, China (Frank Giordano Award) Tsinghua University, Beijing, China (INFORMS Award) Tsinghua University, Beijing, China University of Colorado Boulder, Boulder, CO, USA (MAA Award) Virginia Tech, Blacksburg, VA, USA (Two Sigma Award) Wuhan University, Wuhan, China (SIAM Award) Zhejiang University, Hangzhou, China (INFORMS Award)

This year's contest ran from Thursday, January 28 to Monday, February 1, 2016. During that time, teams of up to three undergraduate or high school students researched, modeled, and submitted a solution to one of three modeling problems. The 2016 MCM was primarily an online contest. Teams registered, obtained contest materials, and downloaded the problem and data at the prescribed time through COMAP's MCM Website.

This year, the three MCM problems represented interesting challenges for contestants, each offering a dimension of mathematical modeling that was unique. The author of both the A and C problems is Professor David Olwell. The author of the A problem is Dr. Kelly Black.

The A problem posed a simply-stated, yet subtly complicated problem involving a person faced with the dilemma of taking a bath in a standard tub in which the water temperature is cooling and gradually becoming uncomfortable. Teams were challenged to model this situation in both time and space in order to identify an effective strategy under which a person should add heated water to raise the temperature back to near starting levels while minimizing the overall use of water. The combination of thermodynamic heat transfer in discretized space involving a human body, dynamic evolution and distribution of temperature and human motion over time, and optimizing water resource use strategy proved to be substantial for all teams. The B problem revisited a relatively old, yet ironically current problem of what to do about the accumulation of space debris in orbital space, which poses an ongoing realistic threat to satellites and other technology insertions and operations. While well-researched regarding potential collection and disposal or elimination solutions, the problem added as a prime consideration whether such an activity could be financially viable enough to warrant and support a commercial endeavor. In this setting, a term such as defining what "maximizing benefits" means became a major decision for contest teams.

Finally, the C problem, newly introduced this year, asked teams to develop an effective investment strategy for a nonprofit philanthropic entity called the Goodgrant Foundation, who was interested in improving undergraduate education in the United States without duplicating efforts of ongoing foundations such as Gates and Lumina. This 'Data Insights' problem provided teams with a large, real world data set containing nearly one hundred variables over fifteen years along with missing data, as a start point for modeling. As the inaugural year for this problem, teams submitted amazingly sophisticated and insightful solutions, among which the judges were well-challenged to identify the top papers.

A selection from the Outstanding solution papers will be featured in *The UMAP Journal*, along with commentaries from the problem authors and judges. All 7421 of the competing teams are to be congratulated for their excellent work and enthusiasm for mathematical modeling and interdisciplinary problem solving.

#### 2016 MCM Statistics

- 7421 teams participated
- 4094 Problem A (55%)
- 1453 Problem B (20%)
- 1874 Problem C (25%)
- 389 US Teams (5%)
- 7032 Foreign Teams (95%) from Australia, Canada, China, Finland, Hong Kong SAR, Indonesia, Mexico, Scotland, Singapore, South Korea, Spain and United Kingdom
- 13 Outstanding Winners (1%)
- 22 Finalist Winners (1%)
- 594 Meritorious Winners (8%)
- 2604 Honorable Mentions (34%)
- 4182 Successful Participants (55%)
- 6 Unsuccessful Participants (1%)

To obtain additional information about the MCM and to obtain a complete listing of all team designations, please visit the MCM Website at: www.mcmcontest.com, or contact COMAP at: mcm@comap.com.

Major funding for the MCM is provided by COMAP. Additional support is provided by the Institute for Operations Research and the Management Sciences (INFORMS) and Two Sigma Investments. COMAP's Mathematical Contest in Modeling and Interdisciplinay Contest in Modeling are unique among modeling competitions in that they are the only international contests in which students work in teams to find a solution. Centering its educational philosophy on mathematical modeling, COMAP uses mathematical tools to explore real-world problems. It serves the educational community as well as the world of work by preparing students to become better informed—and prepared—citizens, consumers, and workers.

#### **Contest Director**

Pat Driscoll, United States Military Academy, NY

#### **Executive Director**

Solomon A. Garfunkel, COMAP, Inc., Bedford, MA

#### Associate Director

William C. Bauldry, Appalachian State University, NC

#### **Founding Director**

Ben Fusaro, Florida State University, FL

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|--------|---|---------|----------------|---------|--------------------|----------------------|
| 42745  | Southwestern University of Finance and        | China   | DAI DAI        | В       | Outstanding Winner | Frank Giordano Award |
| 48573  | Wuhan University                              | China   | Junmin Liao    | В       | Outstanding Winner | SIAM Award           |
| 52221  | Zhejiang University                           | China   | Huajun Feng    | В       | Outstanding Winner | INFORMS Award        |
| 42650  | Peking University                             | China   | Dongxu Gao     | В       | Finalist           |                      |
| 42963  | Peking University                             | China   | Li Guo         | В       | Finalist           |                      |
| 43692  | Nanjing University                            | China   | Qiang Zhang    | В       | Finalist           |                      |
| 44345  | Southwestern University of Finance and        | China   | Dai Dai        | В       | Finalist           |                      |
| 45484  | Shanghai University of Finance and Economics  | China   | Chengdong Dong | В       | Finalist           |                      |
| 48215  | University of Science and Technology of China | China   | Hongjia Chen   | В       | Finalist           |                      |
| 54657  | Nanjing Normal University                     | China   | Huajie Yu      | В       | Finalist           |                      |
| 42189  | Beihang University                            | China   | Sanxing Wu     | В       | Meritorious Winner |                      |

| Ctrl # | Institution                                  | Country | Advisor        | Problem | Designation        |
|--------|--|---------|----------------|---------|--------------------|
| 42228  | Northwestern Polytechnical University        | China   | Wei Li         | В       | Meritorious Winner |
| 42232  | Northwestern Polytechnical University        | China   | Weidong Yan    | В       | Meritorious Winner |
| 42318  | Sun Yat-Sen University                       | China   | Peixing Li     | В       | Meritorious Winner |
| 42335  | Statistical Institute                        | China   | Fang Guoxing   | В       | Meritorious Winner |
| 42368  | Shanghai Experimental School                 | China   | Xiaming Chen   | В       | Meritorious Winner |
| 42663  | Beihang University                           | China   | Qiong Tian     | В       | Meritorious Winner |
| 42707  | University of Colorado Boulder               | USA     | Anne Dougherty | В       | Meritorious Winner |
| 42811  | Beihang University                           | China   | Shaoping Wang  | В       | Meritorious Winner |
| 42813  | Wuhan University                             | China   | Binbin Lu      | В       | Meritorious Winner |
| 42834  | Shanghai University of Finance and Economics | China   | ChengDong Dong | В       | Meritorious Winner |
| 42872  | Shenyang Jianzhu University                  | China   | Qicheng Xu     | В       | Meritorious Winner |
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| 42974Peking UniversityChinaYizhou LvBMeritorious Winner43043Sun Yat-Sen UniversityChinaZhihong LuoBMeritorious Winner43075Beijang UniversityChinaYumei XueBMeritorious Winner43108Beijing University of Posts andChinaLiang LiuBMeritorious Winner43168Beijing University of Posts andChinaJuan YANGBMeritorious Winner43168Beijing University of Posts andChinaJuan YANGBMeritorious Winner43168Beijing University of TechnologyChinaFurning LiBMeritorious Winner43214Harbin Institute of TechnologyChinaRongning QuBMeritorious Winner43310Southeast UniversityChinaDan HeBMeritorious Winner43311University of WisconsinRiver FallsUSAKathy TomilinsonBMeritorious Winner43527Southeast UniversityChinaRui DuBMeritorious Winner  | Ctrl # | Institution                        | Country | Advisor         | Problem | Designation        |
|---|--------|------------------------------------|---------|-----------------|---------|--------------------|
| 43075Beihang UniversityChinaYumei XueBMeritorious Winner43108Beijing University of Posts andChinaLiang LiuBMeritorious Winner43168Beijing University of Posts andChinaJuan YANGBMeritorious Winner43176Shandong University of TechnologyChinaFuming LiBMeritorious Winner43214Harbin Institute of TechnologyChinaRongning QuBMeritorious Winner43230Harbin Institute of TechnologyChinaRongning QuBMeritorious Winner43310Southeast UniversityChinaDan HeBMeritorious Winner43514University of WisconsinRiver FallsUSAKathy TomlinsonBMeritorious Winner  | 42974  | Peking University                  | China   | Yizhou Lv       | В       | Meritorious Winner |
| 43108       Beijing University of Posts and       China       Liang Liu       B       Meritorious Winner         43168       Beijing University of Posts and       China       Juan YANG       B       Meritorious Winner         43176       Shandong University of Technology       China       Fuming Li       B       Meritorious Winner         43214       Harbin Institute of Technology       China       Rongning Qu       B       Meritorious Winner         43230       Harbin Institute of Technology       China       Rongning Qu       B       Meritorious Winner         43310       Southeast University       China       Dan He       B       Meritorious Winner         43514       University of WisconsinRiver Falls       USA       Kathy Tomlinson       B       Meritorious Winner | 43043  | Sun Yat-Sen University             | China   | Zhihong Luo     | В       | Meritorious Winner |
| 43168       Beijing University of Posts and       China       Juan YANG       B       Meritorious Winner         43176       Shandong University of Technology       China       Fuming Li       B       Meritorious Winner         43214       Harbin Institute of Technology       China       Rongning Qu       B       Meritorious Winner         43230       Harbin Institute of Technology       China       Rongning Qu       B       Meritorious Winner         43310       Southeast University       China       Dan He       B       Meritorious Winner         43514       University of WisconsinRiver Falls       USA       Kathy Tomlinson       B       Meritorious Winner  | 43075  | Beihang University                 | China   | Yumei Xue       | В       | Meritorious Winner |
| 43176       Shandong University of Technology       China       Fuming Li       B       Meritorious Winner         43214       Harbin Institute of Technology       China       Rongning Qu       B       Meritorious Winner         43230       Harbin Institute of Technology       China       Rongning Qu       B       Meritorious Winner         43310       Southeast University       China       Dan He       B       Meritorious Winner         43514       University of WisconsinRiver Falls       USA       Kathy Tomlinson       B       Meritorious Winner   | 43108  | Beijing University of Posts and    | China   | Liang Liu       | В       | Meritorious Winner |
| 43214       Harbin Institute of Technology       China       Rongning Qu       B       Meritorious Winner         43230       Harbin Institute of Technology       China       Rongning Qu       B       Meritorious Winner         43310       Southeast University       China       Dan He       B       Meritorious Winner         43514       University of WisconsinRiver Falls       USA       Kathy Tomlinson       B       Meritorious Winner  | 43168  | Beijing University of Posts and    | China   | Juan YANG       | В       | Meritorious Winner |
| 43230Harbin Institute of TechnologyChinaRongning QuBMeritorious Winner43310Southeast UniversityChinaDan HeBMeritorious Winner43514University of WisconsinRiver FallsUSAKathy TomlinsonBMeritorious Winner   | 43176  | Shandong University of Technology  | China   | Fuming Li       | В       | Meritorious Winner |
| 43310 Southeast University     China     Dan He     B     Meritorious Winner       43514 University of WisconsinRiver Falls     USA     Kathy Tomlinson     B     Meritorious Winner  | 43214  | Harbin Institute of Technology     | China   | Rongning Qu     | В       | Meritorious Winner |
| 43514 University of WisconsinRiver Falls USA Kathy Tomlinson B Meritorious Winner   | 43230  | Harbin Institute of Technology     | China   | Rongning Qu     | В       | Meritorious Winner |
|   | 43310  | Southeast University               | China   | Dan He          | В       | Meritorious Winner |
| 43527 Southeast University China Rui Du B Meritorious Winner  | 43514  | University of WisconsinRiver Falls | USA     | Kathy Tomlinson | В       | Meritorious Winner |
|   | 43527  | Southeast University               | China   | Rui Du          | В       | Meritorious Winner |

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| 43590  | Beijing University of Posts and              | China   | Liu Aijun    | В       | Meritorious Winner |
| 43622  | Nanjing University                           | China   | Hongjun Fan  | В       | Meritorious Winner |
| 43647  | Wuhan University                             | China   | Fuhong Wang  | В       | Meritorious Winner |
| 43702  | Northeastern University at Qinhuangdao       | China   | Chao Liu     | В       | Meritorious Winner |
| 43723  | Dalian University of Technology              | China   | Linlin Tian  | В       | Meritorious Winner |
| 43754  | Dalian University of Technology              | China   | Fengqi Li    | В       | Meritorious Winner |
| 43993  | Dalian Maritime University                   | China   | Yunjie Zhang | В       | Meritorious Winner |
| 44118  | Beijing University of Posts and              | China   | Lihua ZHANG  | В       | Meritorious Winner |
| 44271  | Shanghai University of Finance and Economics | China   | Dan Liu      | В       | Meritorious Winner |
| 44289  | Beijing University of Posts and              | China   | Yong Li      | В       | Meritorious Winner |
| 44390  | Southwestern University of Finance and       | China   | Yunlong Sun  | В       | Meritorious Winner |
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| 46456  | Qinggong College, North China University of | China   | Dongmei Li     | в       | Meritorious Winner |
| 46655  | University at Buffalo                       | USA     | John Ringland  | В       | Meritorious Winner |
| 46735  | BEIHANG UNIVERSITY                          | China   | HAIYANG HUANG  | В       | Meritorious Winner |
| 46958  | University of Illinois                      | USA     | A J Hildebrand | В       | Meritorious Winner |
| 46966  | Fudan University                            | China   | Zhijie Cai     | В       | Meritorious Winner |
| 47134  | Central South University                    | China   | Wei He         | В       | Meritorious Winner |
| 47136  | University of Colorado Boulder              | USA     | Manuel Lladser | В       | Meritorious Winner |
| 47141  | Central South University                    | China   | Wei He         | В       | Meritorious Winner |
| 47143  | Central South University                    | China   | Wei He         | В       | Meritorious Winner |
| 47158  | Central South University                    | China   | Wei He         | В       | Meritorious Winner |
| 47159  | Central South University                    | China   | Wei He         | В       | Meritorious Winner |

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|--------|---|-----------|----------------|---------|--------------------|
| 47238  | Central University of Finance and Economics | China     | Xiaoming Fan   | В       | Meritorious Winner |
| 47298  | Jilin University                            | China     | Wang Jili      | В       | Meritorious Winner |
| 47350  | Renmin University of China                  | China     | Yong Lin       | В       | Meritorious Winner |
| 47524  | Nankai University                           | China     | Zhao Na        | В       | Meritorious Winner |
| 47540  | Tianjin University                          | China     | Baozhong Xu    | В       | Meritorious Winner |
| 47591  | University of Adelaide                      | Australia | Luke Bennetts  | В       | Meritorious Winner |
| 47676  | Shanghai Jiao Tong University               | China     | Xiaofeng Gao   | В       | Meritorious Winner |
| 47722  | Xiangtan University                         | China     | Zhiwu Wen      | В       | Meritorious Winner |
| 47884  | Chongqing University                        | China     | Zhengmin Duan  | В       | Meritorious Winner |
| 47967  | China University of Mining and Technology   | China     | Xingyong ZHANG | В       | Meritorious Winner |
| 48142  | Nankai University                           | China     | Chunyan Zhang  | В       | Meritorious Winner |

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| 48173  | Southwestern University of Finance and             | China   | Qingbang Zhang | В       | Meritorious Winner |
| 49044  | Institute of Artificial Intelligence and Robotics; | China   | Zixi Jia       | В       | Meritorious Winner |
| 49047  | Institute of Artificial Intelligence and Robotics; | China   | Zixi Jia       | В       | Meritorious Winner |
| 49052  | Institution of Mathematics;Northeastern            | China   | Yanrui Sun     | В       | Meritorious Winner |
| 49084  | College of Sciences ; Northeastern University      | China   | Xiaojun Lu     | В       | Meritorious Winner |
| 49376  | ShanghaiForeignLanguageSchool                      | China   | Sun Yue        | В       | Meritorious Winner |
| 49460  | School of Computer Science and Engineering;        | China   | Dayu Li        | В       | Meritorious Winner |
| 49474  | Software College; Northeastern University          | China   | Hai Yu         | В       | Meritorious Winner |
| 49515  | Hubei University of Technology                     | China   | Yingdan Wu     | В       | Meritorious Winner |
| 49525  | ShanghaiForeignLanguageSchool                      | China   | Sun Yue        | В       | Meritorious Winner |
| 49526  | ShanghaiForeignLanguageSchool                      | China   | Sun Yue        | В       | Meritorious Winner |
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|--------|---|---------|---------------|---------|--------------------|
| 49570  | Wuhan University                          | China   | Binbin Lu     | В       | Meritorious Winner |
| 49663  | Tsinghua University                       | China   | Zhenbo Wang   | В       | Meritorious Winner |
| 49744  | National University of Defense Technology | China   | Ziyang Mao    | В       | Meritorious Winner |
| 49926  | Nanjing University of Posts &             | China   | Kong Hua      | В       | Meritorious Winner |
| 49950  | Nanjing University of Posts and           | China   | Qinglun Yan   | В       | Meritorious Winner |
| 50000  | Nanjing University of                     | China   | Jun Ye        | В       | Meritorious Winner |
| 50418  | Beihang University                        | China   | Duokui Yan    | В       | Meritorious Winner |
| 50798  | Neijiang Normal University                | China   | Lian-Ming Mou | В       | Meritorious Winner |
| 50813  | Neijiang Normal University                | China   | Li Zhang      | В       | Meritorious Winner |
| 50925  | Tianjin Polytechnic University            | China   | Yali Dong     | В       | Meritorious Winner |
| 50977  | National University of Defense Technology | China   | M.D. Wu       | В       | Meritorious Winner |

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| 50990  | Guangdong University of Finance    | China   | Meichun Zhao  | В       | Meritorious Winner |
| 51002  | Guangdong University of Finance    | China   | Hong Zhou     | В       | Meritorious Winner |
| 51010  | Guangdong University of Finance    | China   | Guimei Luo    | В       | Meritorious Winner |
| 51058  | Beihang University                 | China   | yan Shi       | В       | Meritorious Winner |
| 51089  | Huazhong University of Science and | China   | Liang Gao     | В       | Meritorious Winner |
| 51101  | Nanjing University                 | China   | Guofei Zhou   | В       | Meritorious Winner |
| 51300  | Henan University of Engineering    | China   | Kai Liu       | В       | Meritorious Winner |
| 51450  | Fuzhou University                  | China   | Fei Jiang     | В       | Meritorious Winner |
| 51487  | Illinois Institute of Technology   | USA     | Hemanshu Kaul | В       | Meritorious Winner |
| 51523  | Naval University of Engineering    | China   | Song Yexin    | В       | Meritorious Winner |
| 51583  | Wuhan University                   | China   | Zhuangchu Luo | В       | Meritorious Winner |

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|--------|--|---------|-------------------|---------|--------------------|--|
| 51642  | UC Berkeley                                  | USA     | Jon Wilkening     | В       | Meritorious Winner |  |
| 51708  | Beihang University                           | China   | Yang Li           | В       | Meritorious Winner |  |
| 51746  | University of Electronic Science and         | China   | Qing Gao          | В       | Meritorious Winner |  |
| 52092  | Zhejiang University                          | China   | Kewei Liang       | В       | Meritorious Winner |  |
| 52205  | Nanjing University                           | China   | Hui Qu            | В       | Meritorious Winner |  |
| 52304  | Jinan University Zhuhai Campus               | China   | Yuanbiao Zhang    | В       | Meritorious Winner |  |
| 52364  | Qingdao University of Science and Technology | China   | Ping Wang         | В       | Meritorious Winner |  |
| 52411  | Shenzhen University                          | China   | Yi Zhao           | В       | Meritorious Winner |  |
| 52701  | Zhejiang University                          | China   | Rongqi Li         | В       | Meritorious Winner |  |
| 52765  | Nanjing Tech University                      | China   | Lyu Xuebin        | В       | Meritorious Winner |  |
| 52821  | University of Wisconsin-Madison              | USA     | Saverio Spagnolie | В       | Meritorious Winner |  |

| Ctrl # | Institution                             | Country   | Advisor      | Problem | Designation        |
|--------|---|-----------|--------------|---------|--------------------|
| 52846  | University of International Relations   | China     | Di Wang      | В       | Meritorious Winner |
| 52940  | Northwest University For Nationalities  | China     | Jinhuang Mao | В       | Meritorious Winner |
| 53115  | Sichuan University                      | China     | Lamei He     | В       | Meritorious Winner |
| 53199  | Soochow University                      | China     | Yanan Zhang  | В       | Meritorious Winner |
| 53336  | The University of Melbourne             | Australia | Lusheng Shao | В       | Meritorious Winner |
| 53502  | Seattle University                      | USA       | Eric Bahuaud | В       | Meritorious Winner |
| 53616  | North China University of Science and   | China     | Shaohong Yan | В       | Meritorious Winner |
| 53782  | Zhejiang Gongshang University           | China     | Zhao Heng    | В       | Meritorious Winner |
| 54299  | California Polytechnic State University | USA       | Charles Camp | В       | Meritorious Winner |
| 54527  | South China University of Technology    | China     | Xinhui Mao   | В       | Meritorious Winner |
| 54561  | ShanDong University of Technology       | China     | Lili Pan     | В       | Meritorious Winner |
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| 54605  | Fujian Normal University                    | China   | Minqing Xiao  | В       | Meritorious Winner |
| 54739  | Rensselaer Polytechnic Institute            | USA     | Peter Kramer  | В       | Meritorious Winner |
| 54748  | James Madison University                    | USA     | Hala Al Hajj  | В       | Meritorious Winner |
| 42069  | Minzu University of China                   | China   | Fei Wang      | В       | Honorable Mention  |
| 42081  | Beijing Forestry University                 | China   | XIAOCHUN WANG | В       | Honorable Mention  |
| 42088  | Zhejiang University                         | China   | Shuping Chen  | В       | Honorable Mention  |
| 42121  | Nanjing University of Information Science & | China   | Lai Peng      | В       | Honorable Mention  |
| 42130  | Shenyang Jianzhu University                 | China   | Shuxian Miao  | В       | Honorable Mention  |
| 42153  | Shenyang Jianzhu University                 | China   | Lihua Sun     | В       | Honorable Mention  |
| 42176  | Southeast University                        | China   | Cuiping Li    | В       | Honorable Mention  |
| 42206  | Beihang University                          | China   | HAIYAN SUN    | В       | Honorable Mention  |
| 42206  | Beihang University                          | China   | HAIYAN SUN    | В       | Honorable Mention  |

| Honorable Mention |
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| 42520  | Cheng Yi College of Jimei University     | China   | Xiuliang Qiu | В       | Honorable Mention |
| 42532  | University of International business and | China   | Cheng Xusen  | В       | Honorable Mention |
| 42536  | Sun Yat-Sen University                   | China   | Yuanshi Wang | В       | Honorable Mention |
| 42539  | Cheng Yi College of Jimei University     | China   | Yanqiu Zeng  | В       | Honorable Mention |
| 42544  | Cheng Yi College of Jimei University     | China   | Shixiao Xiao | В       | Honorable Mention |
| 42549  | University of International Business and | China   | ZHANG ZHUO   | В       | Honorable Mention |
| 42629  | St. Mary's College of Maryland           | USA     | Heather Moon | В       | Honorable Mention |
| 42630  | University of International Business and | China   | Yuankun Chen | В       | Honorable Mention |
| 42640  | Peking University                        | China   | Zijing Dong  | В       | Honorable Mention |
| 42644  | Peking University                        | China   | Dongxu Gao   | В       | Honorable Mention |
| 42651  | Peking University                        | China   | Dongxu Gao   | В       | Honorable Mention |
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|--------|---------------------------------|---------|--------------|---------|-------------------|
| 42679  | Peking University               | China   | Ruibin Xi    | В       | Honorable Mention |
| 42685  | Beijing University of Posts and | China   | Wenbo ZHANG  | В       | Honorable Mention |
| 42703  | East China Normal University    | China   | Qiang Yao    | В       | Honorable Mention |
| 42716  | Xiamen University               | China   | Xiaobo Qu    | В       | Honorable Mention |
| 42720  | Sun Yat-Sen University          | China   | Jiajun Zhang | В       | Honorable Mention |
| 42749  | Concordia College NY            | USA     | john loase   | В       | Honorable Mention |
| 42764  | Sun Yat-sen University          | China   | Minghua XIA  | В       | Honorable Mention |
| 42784  | Shanghai Maritime University    | China   | Zhixiong Wu  | В       | Honorable Mention |
| 42785  | Shanghai Maritime University    | China   | Zhixiong Wu  | В       | Honorable Mention |
| 42787  | Shanghai Maritime University    | China   | Zhijun Shen  | В       | Honorable Mention |
| 42801  | Sun Yat-Sen University          | China   | Yuanshi Wang | В       | Honorable Mention |
|        |                                 |         |              |         |                   |

| Ctrl # | Institution                                  | Country | Advisor         | Problem | Designation       |
|--------|--|---------|-----------------|---------|-------------------|
| 42908  | Shanghai University of Finance and Economics | China   | Yong Chao Zhang | В       | Honorable Mention |
| 42918  | Sun Yat-sen University                       | China   | Yu Huang        | В       | Honorable Mention |
| 42922  | Southeast University                         | China   | Enshui Chen     | В       | Honorable Mention |
| 42937  | Zhongnan University of Economic and Law      | China   | Miner Young     | В       | Honorable Mention |
| 42947  | Beijing University of Posts and              | China   | Yong ZUO        | В       | Honorable Mention |
| 42972  | Peking University                            | China   | Yizhou Lv       | В       | Honorable Mention |
| 43026  | Nankai University                            | China   | Quanquan Shao   | В       | Honorable Mention |
| 43116  | Northeastern University at Qinhuangdao       | China   | Yushan Jiang    | В       | Honorable Mention |
| 43122  | Huanggang Normal University                  | China   | Ping Li         | В       | Honorable Mention |
| 43131  | Beijing universty of posts and               | China   | Weizheng Ren    | В       | Honorable Mention |
| 43158  | Beijing University of Posts and              | China   | Wenbo ZHANG     | В       | Honorable Mention |
|        |  |         |                 |         |                   |

| Ctrl # | Institution                    | Country | Advisor     | Problem | Designation       |
|--------|--------------------------------|---------|-------------|---------|-------------------|
| 43202  | Harbin Institute of Technology | China   | Rongning Qu | В       | Honorable Mention |
| 43204  | Harbin Institute of Technology | China   | Rongning Qu | В       | Honorable Mention |
| 43218  | Harbin Institute of Technology | China   | Rongning Qu | В       | Honorable Mention |
| 43219  | Harbin Institute of Technology | China   | Xiaofang Li | В       | Honorable Mention |
| 43222  | Harbin Institute of Technology | China   | Xiaofang Li | В       | Honorable Mention |
| 43237  | Harbin Institute of Technology | China   | Xiaofang Li | В       | Honorable Mention |
| 43247  | Harbin Institute of Technology | China   | Rongning Qu | В       | Honorable Mention |
| 43267  | Harbin Institute of Technology | China   | Xiaofang Li | В       | Honorable Mention |
| 43303  | Harbin Institute of Technology | China   | Xiaofang Li | В       | Honorable Mention |
| 43307  | Southeast University           | China   | Dan He      | В       | Honorable Mention |
| 43394  | Sun Yat-Sen University         | China   | Yanhui Guan | В       | Honorable Mention |

| Ctrl #   | Institution                           | Country | Adviso     | r         | Problem | Designation       |
|----------|---------------------------------------|---------|------------|-----------|---------|-------------------|
| 43433 Be | eijing University of Posts and        | China   | Jiankui N  | YANG      | В       | Honorable Mention |
| 43515 Ur | niversity of WisconsinRiver Falls     | USA     | Kathy 1    | Tomlinson | В       | Honorable Mention |
| 43522 Ro | owan College at Gloucester County     | USA     | Jennifer H | Hoxworth  | В       | Honorable Mention |
| 43523 Sc | outheast University                   | China   | Rui [      | Du        | В       | Honorable Mention |
| 43555 Co | computer School                       | China   | Shuai V    | Wang      | В       | Honorable Mention |
| 43561 Sc | outhwestern university of finance and | China   | Chuan [    | Ding      | В       | Honorable Mention |
| 43564 Ur | niversity of Colorado Boulder         | USA     | Bengt F    | Fornberg  | В       | Honorable Mention |
| 43627 Ea | ast China University Of Science And   | China   | Yongjing V | Wan       | В       | Honorable Mention |
| 43663 Na | anjing University                     | China   | Hui (      | Qu        | В       | Honorable Mention |
| 43665 Be | eihang University                     | China   | yuan z     | zhou      | В       | Honorable Mention |
| 43666 W  | /uhan University                      | China   | Wei \      | Yuan      | В       | Honorable Mention |

| Ctrl # | Institution                                 | Country | Advisor        | Problem | Designation       |
|--------|---|---------|----------------|---------|-------------------|
| 43705  | Nankai University                           | China   | YiWei Bai      | В       | Honorable Mention |
| 43734  | Shanghai Jiaotong University                | China   | Liuqing Xiao   | В       | Honorable Mention |
| 43809  | Humboldt State University                   | USA     | Kamila Larripa | В       | Honorable Mention |
| 43835  | University of Michigan - Shanghai Jiao Tong | China   | Jing Liu       | В       | Honorable Mention |
| 43855  | South China Normal University               | China   | Tan Yang       | В       | Honorable Mention |
| 43919  | Beijing Institute of Technology             | China   | Hai Jin        | В       | Honorable Mention |
| 43925  | Fudan University                            | China   | Zhijie Cai     | В       | Honorable Mention |
| 43927  | Fudan University                            | China   | Zhijie Cai     | В       | Honorable Mention |
| 43935  | Dalian Maritime University                  | China   | Shuqin Yang    | В       | Honorable Mention |
| 44045  | Northeastern University at Qinhuangdao      | China   | Zixuan Zhang   | В       | Honorable Mention |
| 44078  | Beijing University of Posts and             | China   | Yongjiang GUO  | В       | Honorable Mention |
|        |   |         |                |         |                   |

| Ctrl # | Institution                                   | Country | Advisor       | Problem | Designation       |
|--------|---|---------|---------------|---------|-------------------|
| 44080  | Beijing University of Posts and               | China   | Yongjiang GUO | В       | Honorable Mention |
| 44081  | Beijing University of Posts and               | China   | Yongjiang GUO | В       | Honorable Mention |
| 44209  | Beijing University of Posts and               | China   | He Li         | В       | Honorable Mention |
| 44252  | Tianjin University                            | China   | Yong Wang     | В       | Honorable Mention |
| 44264  | Tianjin University                            | China   | Yong Wang     | В       | Honorable Mention |
| 44266  | Tianjin University                            | China   | Yong Wang     | В       | Honorable Mention |
| 44279  | China University of Petroleum                 | China   | Hua Chen      | В       | Honorable Mention |
| 44313  | China University of Political science and Law | China   | SHUHUAN LIU   | В       | Honorable Mention |
| 44318  | Shenyang University of Technology             | China   | yan chen      | В       | Honorable Mention |
| 44324  | Nanjing University                            | China   | Caihua Chen   | В       | Honorable Mention |
| 44368  | Shandong University                           | China   | Baodong LIU   | В       | Honorable Mention |
|        |   |         |               |         |                   |

| Ctrl # | Institution                                   | Country | Advisor       | Problem | Designation       |
|--------|---|---------|---------------|---------|-------------------|
| 44377  | Zhongnan University of Economics and Law,     | China   | Zhongming Ma  | В       | Honorable Mention |
| 44417  | Beijing Normal University                     | China   | HaiYang Huang | В       | Honorable Mention |
| 44453  | Harbin Institute of Technology                | China   | Shengyang He  | В       | Honorable Mention |
| 44505  | Chongqing University                          | China   | Guanghui HE   | В       | Honorable Mention |
| 44559  | Harbin Institute of Technology                | China   | Xiong Meng    | В       | Honorable Mention |
| 44568  | Harbin Institute of Technology                | China   | Boping Tian   | В       | Honorable Mention |
| 44586  | Harbin Institute of Technology                | China   | Daohua Li     | В       | Honorable Mention |
| 44595  | Southeast University                          | China   | Liyan Wang    | В       | Honorable Mention |
| 44598  | Dongbei university of finance and economics   | China   | jianing xie   | В       | Honorable Mention |
| 44608  | Xiamen University Tan Kah Kee College         | China   | Zhipeng Lin   | В       | Honorable Mention |
| 44622  | North China Electric Power University Baoding | China   | Peng Li       | В       | Honorable Mention |

| Ctrl # | Institution                                   | Country | Advisor       | Problem | Designation       |
|--------|---|---------|---------------|---------|-------------------|
| 44627  | Beijing Institute of Technology               | China   | Hai Jin       | В       | Honorable Mention |
| 44639  | North China Electric Power University Baoding | China   | Tao Wang      | В       | Honorable Mention |
| 44649  | HaiKou college of economics                   | China   | Jinsheng Wang | В       | Honorable Mention |
| 44650  | HaiKou college of economics                   | China   | Jinsheng Wang | В       | Honorable Mention |
| 44652  | Shenyang Normal University                    | China   | Guibo Li      | В       | Honorable Mention |
| 44691  | South China Agricultural University           | China   | Zhang Xiang   | В       | Honorable Mention |
| 44733  | Southeast University                          | China   | Xingang Jia   | В       | Honorable Mention |
| 44734  | Southeast University                          | China   | Xingang Jia   | В       | Honorable Mention |
| 44759  | Tianjin University                            | China   | Guoliang Shi  | В       | Honorable Mention |
| 44785  | Northwestern Polytechnical University         | China   | Mei Yu        | В       | Honorable Mention |
| 44818  | South China Agricultural University           | China   | Duxian Nie    | В       | Honorable Mention |
|        |   |         |               |         |                   |

| Ctrl # | Institution                                   | Country   | Advisor      | Problem | Designation       |
|--------|---|-----------|--------------|---------|-------------------|
| 44893  | Southwestern University of Finance and        | China     | Chuan Ding   | В       | Honorable Mention |
| 44905  | Shanghai Jiao Tong University                 | China     | Xiaomin Wang | В       | Honorable Mention |
| 44946  | China University of Petroleum                 | China     | Qihua Niu    | В       | Honorable Mention |
| 44993  | North China Electric Power University Baoding | China     | Yinghua Gu   | В       | Honorable Mention |
| 44996  | National University of Singapre               | Singapore | Zheng Gong   | В       | Honorable Mention |
| 45026  | China University of Petroleum                 | China     | Yan Wang     | В       | Honorable Mention |
| 45166  | Northeastern University at Qinhuangdao        | China     | Guilai Zhang | В       | Honorable Mention |
| 45171  | Zhejiang Sci-Tech University                  | China     | Hua Luo      | В       | Honorable Mention |
| 45174  | Northeastern University at Qinhuangdao        | China     | Mingwei Li   | В       | Honorable Mention |
| 45195  | Dalian University of Technology               | China     | Qiuhui Pan   | В       | Honorable Mention |
| 45196  | Dalian University of Technology               | China     | Qiuhui Pan   | В       | Honorable Mention |
|        |   |           |              |         |                   |

| Ctrl # | Institution                                   | Country | Advisor      | Problem | Designation       |
|--------|---|---------|--------------|---------|-------------------|
| 45254  | Dalian University of Technology               | China   | Yiwei Liu    | В       | Honorable Mention |
| 45266  | Dalian University of Technology               | China   | Qiuhui Pan   | В       | Honorable Mention |
| 45304  | Dalian University of Technology               | China   | Yiwei Liu    | В       | Honorable Mention |
| 45364  | Central University of Finance and Economics   | China   | Xiaoming Fan | В       | Honorable Mention |
| 45447  | Dalian University of Technology               | China   | Qiuhui Pan   | В       | Honorable Mention |
| 45516  | North China Electric Power University Baoding | China   | Yu-Ling He   | В       | Honorable Mention |
| 45798  | Shandong University of Science and            | China   | Binguo Wang  | В       | Honorable Mention |
| 45800  | Shihezi University                            | China   | Zhiquan Han  | В       | Honorable Mention |
| 45854  | North China Electric Power University Baoding | China   | Dongwei Yuan | В       | Honorable Mention |
| 45861  | Qinggong College, North China University of   | China   | Yongli Zhang | В       | Honorable Mention |
| 46048  | Chongqing Jiaotong University                 | China   | Lei Zhang    | В       | Honorable Mention |
|        |   |         |              |         |                   |

| Ctrl #   | Institution                  | Country | Advisor      | Probler | n Designation     |
|----------|------------------------------|---------|--------------|---------|-------------------|
| 46079 C  | hongqing Jiaotong University | China   | Leina Zhac   | р В     | Honorable Mention |
| 46100 Ji | ilin University              | China   | Xianrui Lv   | В       | Honorable Mention |
| 46108 PI | EKING UNIVERSITY             | China   | XUEJUN WAN   | IG B    | Honorable Mention |
| 46167 H  | ARBIN ENGINEERING UNIVERSITY | China   | Luo Yues     | sheng B | Honorable Mention |
| 46202 H  | ARBIN ENGINEERING UNIVERSITY | China   | Wang Shuj    | uan B   | Honorable Mention |
| 46350 Ha | lainan University            | China   | Xingming Shu | В       | Honorable Mention |
| 46375 Ji | ilin University              | China   | Taishan Yang | j B     | Honorable Mention |
| 46381 Ji | ilin University              | China   | Wei Yuar     | ihong B | Honorable Mention |
| 46395 Ji | ilin University              | China   | Huang Qing   | dao B   | Honorable Mention |
| 46396 Ji | ilin University              | China   | Huang Qing   | dao B   | Honorable Mention |
| 46416 Ji | ilin University              | China   | Zhu Fuka     | ing B   | Honorable Mention |

| Ctrl # | Institution                                   | Country | Advisor          | Problem | Designation       |
|--------|---|---------|------------------|---------|-------------------|
| 46424  | Jilin University                              | China   | Lv Yue           | В       | Honorable Mention |
| 46433  | Jilin University                              | China   | Han Yuecai       | В       | Honorable Mention |
| 46475  | Central South University                      | China   | Deng Songhai     | В       | Honorable Mention |
| 46477  | Shanghai University of International Business | China   | Jianming Zhu     | В       | Honorable Mention |
| 46536  | North China Electric Power University         | China   | Kang Bai         | В       | Honorable Mention |
| 46564  | Sun Yat-Sen University                        | China   | Zhihong Luo      | В       | Honorable Mention |
| 46571  | Shanghai University Of Engineering Science    | China   | Lixin Huang      | В       | Honorable Mention |
| 46581  | BEIJING NORMAL UNIVERSITY                     | China   | YINGZHE WANG     | В       | Honorable Mention |
| 46629  | Guangdong University of Foreign Studies       | China   | Ying Li          | В       | Honorable Mention |
| 46656  | Weber State University                        | USA     | Afshin Ghoreishi | В       | Honorable Mention |
| 46686  | Central South University                      | China   | Hu Zhi           | В       | Honorable Mention |
|        |   |         |                  |         |                   |

| Ctrl # | Institution                    | Country | Advisor            | Problem | Designation       |
|--------|--------------------------------|---------|--------------------|---------|-------------------|
| 46755  | Shanghai Customs College       | China   | Zhenguo Feng       | В       | Honorable Mention |
| 46866  | Central South University       | China   | Zhang Dianzhong    | В       | Honorable Mention |
| 46870  | Central South University       | China   | Zhang Dianzhong    | В       | Honorable Mention |
| 46895  | Central South University       | China   | Fang Qiulian       | В       | Honorable Mention |
| 47003  | Shandong University(Weihai)    | China   | Bing Yang Wei S    | un B    | Honorable Mention |
| 47008  | XI'AN UNIVERSITY OF TECHNOLOGY | China   | Fengqun Zhao       | В       | Honorable Mention |
| 47016  | XI'AN UNIVERSITY OF TECHNOLOGY | China   | Fang Dai           | В       | Honorable Mention |
| 47022  | XI'AN UNIVERSITY OF TECHNOLOGY | China   | Shangping Wang     | В       | Honorable Mention |
| 47070  | CENTRAL SOUTH UNIVERSITY       | China   | Qin Xuanyun        | В       | Honorable Mention |
| 47079  | Shandong University            | China   | Huaqing Sun Chunya | n B     | Honorable Mention |
| 47081  | CENTRAL SOUTH UNIVERSITY       | China   | Qin Xuanyun        | В       | Honorable Mention |
|        |                                |         |                    |         |                   |

| Ctrl # | Institution                     | Country | Advisor        | Problem | Designation       |
|--------|---------------------------------|---------|----------------|---------|-------------------|
| 47082  | CENTRAL SOUTH UNIVERSITY        | China   | Qin Xuanyun    | В       | Honorable Mention |
| 47123  | Central South University        | China   | Wei He         | В       | Honorable Mention |
| 47135  | Central South University        | China   | Wei He         | В       | Honorable Mention |
| 47140  | Central South University        | China   | Wei He         | В       | Honorable Mention |
| 47147  | Central South University        | China   | Wei He         | В       | Honorable Mention |
| 47153  | Central South University        | China   | Wei He         | В       | Honorable Mention |
| 47169  | University of Colorado Boulder  | USA     | Bengt Fornberg | В       | Honorable Mention |
| 47199  | Central China Normal University | China   | Bo Li          | В       | Honorable Mention |
| 47287  | Shanghai University             | China   | Youhua He      | В       | Honorable Mention |
| 47299  | Jilin University                | China   | Wang Jili      | В       | Honorable Mention |
| 47331  | Shanghai University             | China   | Xinjian Xu     | В       | Honorable Mention |

| Ctrl # | Institution                   | Country | Advisor        | Problem | Designation       |
|--------|-------------------------------|---------|----------------|---------|-------------------|
| 47353  | Central South University      | China   | zhang hongyan  | В       | Honorable Mention |
| 47356  | Central South University      | China   | zhang hongyan  | В       | Honorable Mention |
| 47362  | Central South University      | China   | zhang hongyan  | В       | Honorable Mention |
| 47367  | Central South University      | China   | zhang hongyan  | В       | Honorable Mention |
| 47374  | Central South University      | China   | Zhang Meiyuan  | В       | Honorable Mention |
| 47383  | Central South University      | China   | Zhang Meiyuan  | В       | Honorable Mention |
| 47392  | Central South University      | China   | Xu Yufeng      | В       | Honorable Mention |
| 47413  | Central South University      | China   | Xu Yufeng      | В       | Honorable Mention |
| 47499  | Southwest Jiaotong University | China   | Yueliang Xu    | В       | Honorable Mention |
| 47507  | Tsinghua University           | China   | Zhenbo Wang    | В       | Honorable Mention |
| 47577  | Bethel University             | USA     | Nathan Gossett | В       | Honorable Mention |

| Ctrl # | Institution                            | Country | Advisor        | Problem | Designation       |
|--------|--|---------|----------------|---------|-------------------|
| 47625  | Shandong University of Science and     | China   | Changyin Zhou  | В       | Honorable Mention |
| 47649  | Southwestern University of Finance and | China   | Jiangming Sun  | В       | Honorable Mention |
| 47671  | Xiangtan University                    | China   | Hongliang Liu  | В       | Honorable Mention |
| 47675  | Xiangtan University                    | China   | Hongliang Liu  | В       | Honorable Mention |
| 47697  | Xiangtan University                    | China   | Guangming Zhou | В       | Honorable Mention |
| 47705  | Xiangtan University                    | China   | Guangming Zhou | В       | Honorable Mention |
| 47707  | Xiangtan University                    | China   | Guangming Zhou | В       | Honorable Mention |
| 47717  | Xiangtan University                    | China   | Chengfu Li     | В       | Honorable Mention |
| 47772  | AnHui JianZhu University               | China   | Ling Tang      | В       | Honorable Mention |
| 47828  | Beihang University ,China              | China   | Shengming Ma   | В       | Honorable Mention |
| 47901  | University of Electronic Science and   | China   | Li Mingqi      | В       | Honorable Mention |

| Ctrl # | Institution                                   | Country | Advisor        | Problem | Designation       |
|--------|---|---------|----------------|---------|-------------------|
| 47922  | Chongqing University                          | China   | Xiaohong Wang  | В       | Honorable Mention |
| 48026  | МІТ   | USA     | Martin Bazant  | В       | Honorable Mention |
| 48093  | Nankai University                             | China   | Xianming Xu    | В       | Honorable Mention |
| 48104  | Beijing University of Posts and               | China   | Yong ZUO       | В       | Honorable Mention |
| 48209  | Chongqing University                          | China   | Tengzhong Rong | В       | Honorable Mention |
| 48245  | Nankai University                             | China   | Xiaowei Chen   | В       | Honorable Mention |
| 48250  | Nankai University                             | China   | NA ZHAO        | В       | Honorable Mention |
| 48290  | NORTH CHINA ELECTRIC POWER UNIVERSITY         | China   | Xirong ZHANG   | В       | Honorable Mention |
| 48354  | North China Electric Power University Baoding | China   | Cao Chunmei    | В       | Honorable Mention |
| 48377  | North China Electric Power University Baoding | China   | Shi Huifeng    | В       | Honorable Mention |
| 48422  | SOUTHWEST PETROLEUM UNIVERSITY                | China   | Jianhua Jin    | В       | Honorable Mention |
|        |   |         |                |         |                   |

| Ctrl # | Institution                                   | Country | Advisor       | Problem | Designation       |
|--------|---|---------|---------------|---------|-------------------|
| 48494  | North China Electric Power University         | China   | Yagang Zhang  | В       | Honorable Mention |
| 48540  | North China Electric Power University Baoding | China   | Longge Zhang  | В       | Honorable Mention |
| 48690  | University of Science and Technology of China | China   | Xing Liang    | В       | Honorable Mention |
| 48796  | Zhejiang University of Technology             | China   | Xuejun Wu     | В       | Honorable Mention |
| 48832  | College of Sciences ; Northeastern University | China   | Qingsong Tang | В       | Honorable Mention |
| 48834  | Xiangtan University                           | China   | Chunlin Deng  | В       | Honorable Mention |
| 48835  | North China Electric Power University         | China   | Hongtao Zhao  | В       | Honorable Mention |
| 48898  | School of Computer Science & Engineering;     | China   | Fangling Leng | В       | Honorable Mention |
| 48902  | Beihang University                            | China   | ZhouJun Li    | В       | Honorable Mention |
| 48919  | Wuhan University of Technology                | China   | Chu Yangjie   | В       | Honorable Mention |
| 48930  | Virtual reality and simulation;Northeastern   | China   | Feng Pan      | В       | Honorable Mention |

| Ctrl # | Institution                                   | Country | Advisor      | Problem | Designation       |
|--------|---|---------|--------------|---------|-------------------|
| 48938  | School of Mechanical Engineering and          | China   | Xuehong He   | В       | Honorable Mention |
| 48941  | Wuhan University of Technology                | China   | Fang Xi      | В       | Honorable Mention |
| 48945  | Virtual reality and simulation;Northeastern   | China   | Feng Pan     | В       | Honorable Mention |
| 48988  | Virtual reality and simulation; Northeastern  | China   | Peng Ji      | В       | Honorable Mention |
| 48990  | Virtual reality and simulation; Northeastern  | China   | Peng Ji      | В       | Honorable Mention |
| 48996  | Wuhan University of Technology                | China   | Gao Fei      | В       | Honorable Mention |
| 49002  | Pattern Recognition ;Northeastern University  | China   | Shiguang Wen | В       | Honorable Mention |
| 49019  | College of Sciences ; Northeastern University | China   | Nan Feng     | В       | Honorable Mention |
| 49029  | Tsinghua University                           | China   | Zhenbo Wang  | В       | Honorable Mention |
| 49030  | Robotics and Automation; Northeastern         | China   | Fei Wang     | В       | Honorable Mention |
| 49033  | College of Information Science and            | China   | Dali Chen    | В       | Honorable Mention |
|        |   |         |              |         |                   |

| Ctrl # | Institution                                    | Country | Advisor       | Problem | Designation       |
|--------|--|---------|---------------|---------|-------------------|
| 49045  | College of Sciences ; Northeastern University  | China   | Cuiping Xue   | В       | Honorable Mention |
| 49048  | Beijing University of Posts and                | China   | Yong ZUO      | В       | Honorable Mention |
| 49053  | Institution of Mathematics;Northeastern        | China   | Yanrui Sun    | В       | Honorable Mention |
| 49065  | College of Sciences; Northeastern University   | China   | Yang Guo      | В       | Honorable Mention |
| 49068  | Institution of Maths ; Northeastern University | China   | Xiangde Zhang | В       | Honorable Mention |
| 49081  | College of Sciences ; Northeastern University  | China   | Jingyi Liu    | В       | Honorable Mention |
| 49113  | Peking University                              | China   | Xinyu Mao     | В       | Honorable Mention |
| 49126  | Nanjing University                             | China   | LinZhang Wang | В       | Honorable Mention |
| 49134  | Tongji University                              | China   | Xiaohan Yang  | В       | Honorable Mention |
| 49139  | North China Electric Power University Baoding  | China   | Ping Wang     | В       | Honorable Mention |
| 49201  | Beihang University                             | China   | Wei Feng      | В       | Honorable Mention |

| Ctrl # | Institution                                     | Country | Advisor        | Problem | Designation       |
|--------|---|---------|----------------|---------|-------------------|
| 49268  | college of software; Northeastern University    | China   | Yu Dai         | В       | Honorable Mention |
| 49328  | Software College; Northeastern University       | China   | Linying Jiang  | В       | Honorable Mention |
| 49372  | Institution of Mathematics;Northeastern         | China   | Hegui Zhu      | В       | Honorable Mention |
| 49383  | Institute of software engineering; Northeastern | China   | Li Zhang       | В       | Honorable Mention |
| 49388  | ShanghaiForeignLanguageSchool                   | China   | Sun Yue        | В       | Honorable Mention |
| 49389  | ShanghaiForeignLanguageSchool                   | China   | Sun Yue        | В       | Honorable Mention |
| 49392  | Department of Mathematics; Northeastern         | China   | Tao Sun        | В       | Honorable Mention |
| 49395  | ShanghaiForeignLanguageSchool                   | China   | Sun Yue        | В       | Honorable Mention |
| 49398  | ShanghaiForeignLanguageSchool                   | China   | Sun Yue        | В       | Honorable Mention |
| 49400  | Key Laboratory of Medical Image Computing;      | China   | Jinzhu Yang    | В       | Honorable Mention |
| 49407  | Department of Mathematics; Northeastern         | China   | Zhongbing Yang | В       | Honorable Mention |
|        |   |         |                |         |                   |

| Ctrl # | Institution                                   | Country | Advisor       | Problem | Designation       |
|--------|---|---------|---------------|---------|-------------------|
| 49414  | Institution of Intelligent Robots and Pattern | China   | Tong Jia      | В       | Honorable Mention |
| 49416  | Institution of Intelligent Robots and Pattern | China   | Tong Jia      | В       | Honorable Mention |
| 49423  | College of Sciences, Northeastern University  | China   | Ping Che      | В       | Honorable Mention |
| 49447  | Department of Software Engineering, Software  | China   | Jingping Song | В       | Honorable Mention |
| 49456  | Department of Software Engineering, Software  | China   | Jingping Song | В       | Honorable Mention |
| 49457  | Software College; Northeastern University     | China   | Jianzhe Zhao  | В       | Honorable Mention |
| 49514  | China University of Geosciences               | China   | Yuanyuan Wang | В       | Honorable Mention |
| 49522  | Hubei University of Technology                | China   | Hua Chen      | В       | Honorable Mention |
| 49542  | SOUTHWEST UNIVERSITY FOR                      | China   | Jiang Cheng   | В       | Honorable Mention |
| 49601  | Leshan Normal University                      | China   | Hai Sun       | В       | Honorable Mention |
| 49703  | Xi'an Aeronautical Polytechnic Institute      | China   | Lan Zhang     | В       | Honorable Mention |

| Ctrl # | Institution                                   | Country | Advisor          | Problem | Designation       |
|--------|---|---------|------------------|---------|-------------------|
| 49706  | Clarkson University                           | USA     | Guangming Yao    | В       | Honorable Mention |
| 49709  | Central Michigan University                   | USA     | En-Bing Lin      | В       | Honorable Mention |
| 49788  | National University of Defense Technology     | China   | Ziyang Mao       | В       | Honorable Mention |
| 49894  | Franklin & Marshall College                   | USA     | Christina Weaver | В       | Honorable Mention |
| 49943  | Nanjing University of Posts &                 | China   | Kong Hua         | В       | Honorable Mention |
| 49945  | Nanjing University of Posts and               | China   | Qinglun Yan      | В       | Honorable Mention |
| 49965  | Nanjing University of Posts &                 | China   | Kong Hua         | В       | Honorable Mention |
| 49966  | North China Electric Power University Baoding | China   | Huadong Yang     | В       | Honorable Mention |
| 49968  | Chongqing University of Posts and             | China   | chunde yang      | В       | Honorable Mention |
| 49970  | Nanjing University of                         | China   | Jun Ye           | В       | Honorable Mention |
| 49992  | Chongqing University of Posts and             | China   | Sidong Xian      | В       | Honorable Mention |

| Ctrl # | Institution                         | Country | Advisor       | Problem | Designation       |
|--------|-------------------------------------|---------|---------------|---------|-------------------|
| 49997  | Nanjing University of               | China   | Jun Ye        | В       | Honorable Mention |
| 49998  | Jilin University                    | China   | Hongliang Shu | В       | Honorable Mention |
| 50001  | Sun Yat-Sen University              | China   | Zhujun Fan    | В       | Honorable Mention |
| 50004  | Changchun University of Science and | China   | Libo Cheng    | В       | Honorable Mention |
| 50009  | Chongqing University of Posts and   | China   | Liuxin Chen   | В       | Honorable Mention |
| 50015  | Nanjing University of Posts and     | China   | Xu Jin        | В       | Honorable Mention |
| 50016  | Nanjing University of               | China   | Jun Ye        | В       | Honorable Mention |
| 50019  | Nanjing University of Posts &       | China   | Zhao Hongniu  | В       | Honorable Mention |
| 50025  | Nanjing University of Posts &       | China   | Zhao Hongniu  | В       | Honorable Mention |
| 50026  | Nanjing University of               | China   | Jun Ye        | В       | Honorable Mention |
| 50037  | Nanjing University of Posts &       | China   | Zhao Hongniu  | В       | Honorable Mention |

| Ctrl # | Institution                               | Country | Advisor      | Problem | Designation       |
|--------|---|---------|--------------|---------|-------------------|
| 50216  | Wuhan University of Technology            | China   | Linxiao Wei  | В       | Honorable Mention |
| 50288  | Sichuan University                        | China   | Yongdao Zhou | В       | Honorable Mention |
| 50296  | Tufts University                          | USA     | James Adler  | В       | Honorable Mention |
| 50302  | Nanjing University                        | China   | Yaojun Chen  | В       | Honorable Mention |
| 50342  | Anhui University of Finance and Economics | China   | Zheng Lin    | В       | Honorable Mention |
| 50350  | Beihang University                        | China   | Jun Wang     | В       | Honorable Mention |
| 50357  | Henan Normal University                   | China   | Yu Bin       | В       | Honorable Mention |
| 50375  | Dalian Neusoft University of Information  | China   | Yujun Wang   | В       | Honorable Mention |
| 50380  | Xi'an Jiaotong Liverpool University       | China   | Jingming Guo | В       | Honorable Mention |
| 50532  | Sichuan University                        | China   | Hao Wang     | В       | Honorable Mention |
| 50543  | Hebei University of Technology            | China   | Lei Zhang    | В       | Honorable Mention |
|        |   |         |              | -       |                   |

| Ctrl # | Institution                | Country | Advisor       | Problem | Designation       |
|--------|----------------------------|---------|---------------|---------|-------------------|
| 50576  | Beihang Univ.              | China   | Linping Peng  | В       | Honorable Mention |
| 50588  | Beihang University         | China   | Yi Qi         | В       | Honorable Mention |
| 50589  | Peking University          | China   | Hao Ge        | В       | Honorable Mention |
| 50602  | Shanxi University          | China   | Chengbo Zhai  | В       | Honorable Mention |
| 50638  | Huizhou University         | China   | Yubin Liu     | В       | Honorable Mention |
| 50651  | Huizhou University         | China   | Xiangui Zhao  | В       | Honorable Mention |
| 50762  | North University of China  | China   | Yang Ming     | В       | Honorable Mention |
| 50774  | North University of China  | China   | Xue Yakui     | В       | Honorable Mention |
| 50783  | Beihang University         | China   | Hongyi Li     | В       | Honorable Mention |
| 50800  | Neijiang Normal University | China   | Lian-Ming Mou | В       | Honorable Mention |
| 50803  | Neijiang Normal University | China   | Lian-Ming Mou | В       | Honorable Mention |
|        |                            |         |               |         |                   |

| Ctrl # | Institution                                 | Country | Advisor        | Problem | Designation       |
|--------|---|---------|----------------|---------|-------------------|
| 50807  | Neijiang Normal University                  | China   | Lian-Ming Mou  | В       | Honorable Mention |
| 50819  | Neijiang Normal University                  | China   | Fu-Cheng Yin   | В       | Honorable Mention |
| 50849  | Nanjing University                          | China   | Hongjun Fan    | В       | Honorable Mention |
| 50866  | Nankai University                           | China   | Niu Fang       | В       | Honorable Mention |
| 50880  | Tianjin Normal University                   | China   | Yijun Wu       | В       | Honorable Mention |
| 50884  | Central University of Finance and Economics | China   | Xianjun Yin    | В       | Honorable Mention |
| 50900  | Trinity University                          | USA     | Hoa Eddy Kwess | i B     | Honorable Mention |
| 50945  | Tianjin Polytechnic University              | China   | Zhongshan Fang | В       | Honorable Mention |
| 50961  | Tianjin Polytechnic University              | China   | Jie Shi        | В       | Honorable Mention |
| 51005  | Guangdong University of Finance             | China   | Xuegang Zhou   | В       | Honorable Mention |
| 51006  | Tianjin Polytechnic University              | China   | Dongwei Huang  | В       | Honorable Mention |
|        |   |         |                |         |                   |

| Ctrl # | Institution                                | Country | Advisor            | Problem | Designation       |
|--------|--|---------|--------------------|---------|-------------------|
| 51011  | National University of Defense Technology  | China   | Xiaojun Duan       | В       | Honorable Mention |
| 51062  | Beijing Normal University                  | China   | Haiyang Huang      | В       | Honorable Mention |
| 51074  | Wuhan University of Science and Technology | China   | Liping Qiuhua Tang | g B     | Honorable Mention |
| 51081  | Wuhan University of Science and Technology | China   | Liping Qiuhua Tang | g B     | Honorable Mention |
| 51130  | Guangxi University                         | China   | Huang Ganji        | В       | Honorable Mention |
| 51133  | Tianjin University                         | China   | Liangfu Lv         | В       | Honorable Mention |
| 51139  | South-Central University for Nationalities | China   | Zhongxun Zhu       | В       | Honorable Mention |
| 51160  | China Jiliang University                   | China   | Lingling Chen      | В       | Honorable Mention |
| 51199  | Nanjing University                         | China   | XiangYu Wang       | В       | Honorable Mention |
| 51226  | Guangdong University of Finance Economics  | China   | Hui Huang          | В       | Honorable Mention |
| 51229  | North University of China                  | China   | Yang Ming          | В       | Honorable Mention |
|        |  |         |                    |         |                   |

| Ctrl # | Institution                           | Country | Advisor       | Problem | Designation       |
|--------|---------------------------------------|---------|---------------|---------|-------------------|
| 51254  | Guangdong University of Finance and   | China   | Zhanyong Zou  | В       | Honorable Mention |
| 51281  | Beihang University                    | China   | Xiaobing Ma   | В       | Honorable Mention |
| 51303  | Henan University of Engineering       | China   | Kai Liu       | В       | Honorable Mention |
| 51363  | Fuzhou University                     | China   | Hongjian Wang | В       | Honorable Mention |
| 51364  | Huazhong University of Science and    | China   | Qian Liu      | В       | Honorable Mention |
| 51526  | Tianjin University                    | China   | Yuqin Zhang   | В       | Honorable Mention |
| 51561  | Air Force Engineering University      | China   | Yong Cai      | В       | Honorable Mention |
| 51639  | UC Berkeley                           | USA     | Jon Wilkening | В       | Honorable Mention |
| 51662  | China University of Petroleum-Beijing | China   | Xiaoguang Lu  | В       | Honorable Mention |
| 51720  | Nanjing University                    | China   | Yechao Bai    | В       | Honorable Mention |
| 51723  | Beihang University                    | China   | Bindang Xue   | В       | Honorable Mention |

| Ctrl # | Institution                                   | Country | Advisor        | Problem | Designation       |
|--------|---|---------|----------------|---------|-------------------|
| 51815  | University of Electronic Science and          | China   | Yan-Fei Jing   | В       | Honorable Mention |
| 51822  | University of Electronic Science and          | China   | Yan-Fei Jing   | В       | Honorable Mention |
| 51842  | University of Electronic Science and          | China   | Zhiyong Wang   | В       | Honorable Mention |
| 51875  | Beihang University                            | China   | Shaoping Wang  | В       | Honorable Mention |
| 51903  | DaLian Naval Academy                          | China   | Feng Jie       | В       | Honorable Mention |
| 51921  | Nanjing University                            | China   | XueJun Guo     | В       | Honorable Mention |
| 51997  | University of Science and Technology of China | China   | Lianzu Jiao    | В       | Honorable Mention |
| 52070  | University of Illinois                        | USA     | A J Hildebrand | В       | Honorable Mention |
| 52076  | Wuhan University                              | China   | Aijiao Deng    | В       | Honorable Mention |
| 52080  | Zhejiang University                           | China   | Chunyue Song   | В       | Honorable Mention |
| 52083  | University of Illinois                        | USA     | A J Hildebrand | В       | Honorable Mention |

| Ctrl # | Institution                                | Country | Advisor        | Problem | Designation       |  |
|--------|--|---------|----------------|---------|-------------------|--|
| 52086  | Yunnan University of Finance and Economics | China   | Wen Gao        | В       | Honorable Mention |  |
| 52089  | BeiHang University                         | China   | xiao Zhang     | В       | Honorable Mention |  |
| 52093  | USTC                                       | China   | Simai Wang     | В       | Honorable Mention |  |
| 52101  | Shanghai Jiao Tong University              | China   | Xiaofeng Gao   | В       | Honorable Mention |  |
| 52126  | University of International Relations      | China   | Ping Wang      | В       | Honorable Mention |  |
| 52131  | Beijing Union University                   | China   | Zuxing Xuan    | В       | Honorable Mention |  |
| 52142  | China University of Petroleum-Beijing      | China   | Yang Gao       | В       | Honorable Mention |  |
| 52179  | Air Force Engineering University           | China   | Jiao Hongyir   | ng B    | Honorable Mention |  |
| 52237  | Hangzhou Normal University                 | China   | Ping Lv        | В       | Honorable Mention |  |
| 52259  | University of Electronic Science and       | China   | Li Mingqi      | В       | Honorable Mention |  |
| 52293  | Jinan University Zhuhai Campus             | China   | Yuanbiao Zhang | В       | Honorable Mention |  |
|        |  |         |                |         |                   |  |

| Ctrl # | Institution                                  | Country | Advisor       | Problem | Designation       |
|--------|--|---------|---------------|---------|-------------------|
| 52348  | Southwest University                         | China   | Haisen Zhang  | В       | Honorable Mention |
| 52355  | Qingdao University of Science and Technology | China   | Shanliang Zhu | В       | Honorable Mention |
| 52389  | Shaoguan University                          | China   | Jian Yong     | В       | Honorable Mention |
| 52439  | Nanjing University                           | China   | Weihua Wang   | В       | Honorable Mention |
| 52442  | Nanchang University                          | China   | Dong Qiuxian  | В       | Honorable Mention |
| 52467  | Wuhan university                             | China   | Xinqi Hu      | В       | Honorable Mention |
| 52536  | Harbin Institute of Technology               | China   | Zhibin Yan    | В       | Honorable Mention |
| 52558  | Shandong University                          | China   | Baodong Liu   | В       | Honorable Mention |
| 52564  | Northeast Forestry University                | China   | Chunrui Zhang | В       | Honorable Mention |
| 52618  | University of International Relations        | China   | Lu Bian       | В       | Honorable Mention |
| 52665  | Zhejiang University                          | China   | Yujie Yan     | В       | Honorable Mention |
|        |  |         |               |         |                   |

| Ctrl # | Institution                          | Country | Advisor        | Problem | Designation       |
|--------|--------------------------------------|---------|----------------|---------|-------------------|
| 52793  | Wake Forest University               | USA     | Miaohua Jiang  | В       | Honorable Mention |
| 52797  | Seattle Pacific University           | USA     | Wai Lau        | В       | Honorable Mention |
| 52850  | NC School of Science and Mathematics | USA     | Daniel Teague  | В       | Honorable Mention |
| 52851  | NC School of Science and Mathematics | USA     | Daniel Teague  | В       | Honorable Mention |
| 52861  | Nanyang Normal University            | China   | Lianzu Jiao    | В       | Honorable Mention |
| 52865  | Nanyang Normal University            | China   | Lianzu Jiao    | В       | Honorable Mention |
| 52944  | Nanchang University                  | China   | Zhao Yang      | В       | Honorable Mention |
| 52974  | Nanchang University                  | China   | Xiao Shuiming  | В       | Honorable Mention |
| 53084  | Soochow University                   | China   | Huanfei Ma     | В       | Honorable Mention |
| 53089  | Zhejiang University                  | China   | Guochuan Zhang | В       | Honorable Mention |
| 53090  | Soochow University                   | China   | Feng Liu       | В       | Honorable Mention |

| Ctrl # | Institution                                   | Country | Advisor       | Problem | Designation       |
|--------|---|---------|---------------|---------|-------------------|
| 53111  | Beijing Institute of Technology ,Zhuhai       | China   | Yuntao Jia    | В       | Honorable Mention |
| 53114  | Hangzhou Dianzi University                    | China   | Hao Shen      | В       | Honorable Mention |
| 53131  | Zhejiang University                           | China   | Ge Shi        | В       | Honorable Mention |
| 53139  | Tianjin University                            | China   | liangfu lv    | В       | Honorable Mention |
| 53142  | Hunan University                              | China   | Huahui Yan    | В       | Honorable Mention |
| 53144  | Luoyang Normal University                     | China   | Yingzhao Liu  | В       | Honorable Mention |
| 53150  | Shenzhen Middle School                        | China   | Wentao zhang  | В       | Honorable Mention |
| 53165  | Soochow University                            | China   | Shenggao Zhou | В       | Honorable Mention |
| 53169  | North China University of Water Resources and | China   | Hongjun Wu    | В       | Honorable Mention |
| 53180  | North China University of Water Resources and | China   | Yunpeng Zhang | В       | Honorable Mention |
| 53181  | Beijing Institute of Technology, Zhuhai       | China   | Peng Yuan     | В       | Honorable Mention |

| Ctrl # | Institution                                   | Country | Advisor             | Problem | Designation       |
|--------|---|---------|---------------------|---------|-------------------|
| 53193  | North China University of Water Resources and | China   | Gaohui Peng         | В       | Honorable Mention |
| 53197  | Soochow University                            | China   | Lijie Gu            | В       | Honorable Mention |
| 53207  | Soochow University                            | China   | Chenjian Wu         | В       | Honorable Mention |
| 53339  | Beihang University                            | China   | DUOKUI YAN          | В       | Honorable Mention |
| 53348  | Shenzhen Foreign Language School              | China   | Guowei Lin          | В       | Honorable Mention |
| 53428  | Lanzhou University of Technology              | China   | Yunhu Zhang         | В       | Honorable Mention |
| 53443  | Univ. Autonoma de Barcelona                   | Spain   | Xavier Mora         | В       | Honorable Mention |
| 53485  | Westminster College                           | USA     | Natacha Fontes-Merz | z B     | Honorable Mention |
| 53492  | Illinois Institute of Technology              | USA     | Zuyi Li             | В       | Honorable Mention |
| 53508  | University of California, Los Angeles         | USA     | Jing Qin            | В       | Honorable Mention |
| 53540  | University of Washington                      | USA     | James Morrow        | В       | Honorable Mention |

| Ctrl # | Institution                                 | Country | Advisor               | Problem | Designation       |
|--------|---|---------|-----------------------|---------|-------------------|
| 53547  | North China University of Science and       | China   | Yamian Peng           | В       | Honorable Mention |
| 53548  | UCCS  | USA     | George Rus            | В       | Honorable Mention |
| 53625  | China Agricultural University               | China   | Guohui Li             | В       | Honorable Mention |
| 53688  | China Agricultural University               | China   | Jianping Yang         | В       | Honorable Mention |
| 53746  | Zhejiang Gongshang University               | China   | hua Jiukun            | В       | Honorable Mention |
| 53812  | Zhejiang Gongshang University               | China   | Han Zhaoxiu           | В       | Honorable Mention |
| 53890  | Shantou University                          | China   | Rui Fang              | В       | Honorable Mention |
| 54021  | The Second Artillery Engineering University | China   | Congwei Wu            | В       | Honorable Mention |
| 54053  | Indiana University of Pennsylvania          | USA     | John Chrispell        | В       | Honorable Mention |
| 54069  | Hohai University                            | China   | Genhong Ding          | В       | Honorable Mention |
| 54076  | Cornell University                          | USA     | Alexander Vladimirsky | В       | Honorable Mention |

| Ctrl # | Institution                            | Country        | Advisor            | Problem | Designation       |
|--------|--|----------------|--------------------|---------|-------------------|
| 54080  | PLA Information Engineering University | China          | Benchao Yang       | В       | Honorable Mention |
| 54092  | Beijing Normal University              | China          | Lv Shaochuan       | В       | Honorable Mention |
| 54097  | University of Liverpool                | United Kingdom | Corina Constantine | sc B    | Honorable Mention |
| 54099  | Beihang University                     | China          | Hongyi Li          | В       | Honorable Mention |
| 54116  | Northeast Agricultural University      | China          | Jun Meng           | В       | Honorable Mention |
| 54221  | Northeast Agricultural University      | China          | Zhenzhong Liu      | В       | Honorable Mention |
| 54232  | Northeast Agricultural University      | China          | Hualing Deng       | В       | Honorable Mention |
| 54236  | Northeast Agricultural University      | China          | Hualing Deng       | В       | Honorable Mention |
| 54253  | Carroll College                        | USA            | Kelly Cline        | В       | Honorable Mention |
| 54255  | Carroll College                        | USA            | Kelly Cline        | В       | Honorable Mention |
| 54271  | The College of New Jersey              | USA            | Tom Hagedorn       | В       | Honorable Mention |

| Ctrl # | Institution                              | Country | Advisor           | Problem | Designation       |
|--------|--|---------|-------------------|---------|-------------------|
| 54292  | Shippensburg University                  | USA     | Benjamin Galluzzo | в       | Honorable Mention |
| 54298  | California Polytechnic State University  | USA     | Charles Camp      | В       | Honorable Mention |
| 54304  | York University                          | Canada  | Hongmei Zhu       | В       | Honorable Mention |
| 54314  | Lawrence Technological University        | USA     | Michael Dabkowski | В       | Honorable Mention |
| 54395  | Wuhan University Of Technology           | China   | Zhanqing Wang     | В       | Honorable Mention |
| 54419  | Beihua University                        | China   | Haifeng Sang      | В       | Honorable Mention |
| 54427  | South China University of Technology     | China   | Xiaolan Liu       | В       | Honorable Mention |
| 54463  | Zhongnan University of Economics and Law | China   | Guoguang Yan      | В       | Honorable Mention |
| 54488  | Shandong University of Technology        | China   | Yanping Zhang     | В       | Honorable Mention |
| 54504  | Shandong University of Technology        | China   | Shujiang Ding     | В       | Honorable Mention |
| 54508  | Shandong University of Technology        | China   | Shujiang Ding     | В       | Honorable Mention |
|        |  |         |                   |         |                   |

| Ctrl # | Institution                                 | Country | Advisor       | Problem | Designation       |
|--------|---|---------|---------------|---------|-------------------|
| 54516  | South China University of Technology        | China   | Ping Huang    | В       | Honorable Mention |
| 54520  | Shandong University of Technology           | China   | Fuming Li     | В       | Honorable Mention |
| 54543  | ShanDong University of Technology           | China   | Meng Tian     | В       | Honorable Mention |
| 54549  | Shandong University of Technology           | China   | Jinchuan Zhou | В       | Honorable Mention |
| 54552  | Shandong University of Technology           | China   | Jinchuan Zhou | В       | Honorable Mention |
| 54572  | Sichuan University                          | China   | Hao Wang      | В       | Honorable Mention |
| 54601  | Davidson College                            | USA     | Laurie Heyer  | В       | Honorable Mention |
| 54604  | Central University of Finance and Economics | China   | Xiaoming Fan  | В       | Honorable Mention |
| 54612  | Davidson College                            | USA     | Laurie Heyer  | В       | Honorable Mention |
| 54642  | University of Puget Sound                   | USA     | Carl Toews    | В       | Honorable Mention |
| 54649  | Beijing University of Aeronautics and       | China   | Mai Xu        | В       | Honorable Mention |

| Ctrl # | Institution                                 | Country     | Advisor        | Problem | Designation            |
|--------|---|-------------|----------------|---------|------------------------|
| 54650  | Nanjing Normal University                   | China       | Qikui Du       | В       | Honorable Mention      |
| 54690  | South China University of Technology        | China       | Qing Liu       | В       | Honorable Mention      |
| 54722  | Air Force Logistics College                 | China       | Hao Jianzhong  | В       | Honorable Mention      |
| 54734  | Kwangwoon University                        | South Korea | Jinwoo Lee     | В       | Honorable Mention      |
| 54747  | James Madison University                    | USA         | Roger Thelwell | В       | Honorable Mention      |
| 42078  | Beijing Normal University-Hong Kong Baptist | China       | Chun-Te Lee    | В       | Successful Participant |
| 42127  | Shenyang Jianzhu University                 | China       | Qicheng Xu     | В       | Successful Participant |
| 42158  | Shenyang Jianzhu University                 | China       | Qicheng Xu     | В       | Successful Participant |
| 42159  | Shenyang Jianzhu University                 | China       | Yanling Sun    | В       | Successful Participant |
| 42160  | Shenyang Jianzhu University                 | China       | Yanli Gu       | В       | Successful Participant |
| 42248  | Shenyang Jianzhu University                 | China       | Hao Lin        | В       | Successful Participant |
|        |   |             |                |         |                        |

| Ctrl # | Institution                                     | Country | Advisor       | Problem | Designation            |
|--------|---|---------|---------------|---------|------------------------|
| 42249  | Shenyang Jianzhu University                     | China   | Qicheng Xu    | В       | Successful Participant |
| 42255  | Shenyang Jianzhu University                     | China   | Qicheng Xu    | В       | Successful Participant |
| 42260  | Shenyang Jianzhu University                     | China   | Lihua Sun     | В       | Successful Participant |
| 42271  | Fudan University                                | China   | Yuan Cao      | В       | Successful Participant |
| 42275  | University of International Business and        | China   | Guoxing Fang  | В       | Successful Participant |
| 42280  | University of International Business and        | China   | GUO XING FANG | В       | Successful Participant |
| 42295  | Dalian Maritime University                      | China   | Guoyan Chen   | В       | Successful Participant |
| 42329  | Xi`an University of Architecture and Technology | China   | NAN LUO       | В       | Successful Participant |
| 42346  | Wuhan University                                | China   | Liuyi Zhong   | В       | Successful Participant |
| 42370  | Shanghai Experimental School                    | China   | Xiaming Chen  | В       | Successful Participant |
| 42399  | University Of International Business And        | China   | Sijie Chen    | В       | Successful Participant |
|        |   |         |               |         |                        |

| Ctrl # | Institution                              | Country   | Advisor          | Problem | Designation            |
|--------|--|-----------|------------------|---------|------------------------|
| 42412  | Shenyang Jianzhu University              | China     | Huanliang Sun    | В       | Successful Participant |
| 42415  | Shenyang Jianzhu University              | China     | Ping Sun         | В       | Successful Participant |
| 42420  | Shenyang Jianzhu University              | China     | Jingke Xu        | В       | Successful Participant |
| 42522  | Cheng Yi College of Jimei University     | China     | Xiuliang Qiu     | В       | Successful Participant |
| 42565  | University of International Business and | China     | Guoxing Fang     | В       | Successful Participant |
| 42619  | Parahyangan Catholic University          | Indonesia | Janto Sulungbudi | В       | Successful Participant |
| 42654  | Peking University                        | China     | Yulong Liu       | В       | Successful Participant |
| 42655  | Peking University                        | China     | Yulong Liu       | В       | Successful Participant |
| 42680  | Nanjing University                       | China     | Luo Zhixing      | В       | Successful Participant |
| 42683  | Beijing University of Posts and          | China     | Yong ZUO         | В       | Successful Participant |
| 42686  | Beijing University of Posts and          | China     | Wenbo ZHANG      | В       | Successful Participant |
|        |  |           |                  |         |                        |

| Ctrl # | Institution                            | Country | Advisor      | Problem | Designation            |
|--------|--|---------|--------------|---------|------------------------|
| 42725  | Beijing University of Posts and        | China   | Yong ZUO     | В       | Successful Participant |
| 42735  | Beihang University                     | China   | Duokui Yan   | В       | Successful Participant |
| 42740  | Jilin University                       | China   | Pengfei Zhao | В       | Successful Participant |
| 42754  | Beihang Univercity                     | China   | Lijing Li    | В       | Successful Participant |
| 42763  | Beijing Forestry University            | China   | Yichen Liu   | В       | Successful Participant |
| 42782  | Shanghai Maritime University           | China   | Lian Zhou    | В       | Successful Participant |
| 42789  | Shanghai Maritime University           | China   | Caifang Wang | В       | Successful Participant |
| 42794  | Shanghai Maritime University           | China   | Yunhu Wang   | В       | Successful Participant |
| 42806  | Southwestern University of Finance and | China   | ShaoWen Li   | В       | Successful Participant |
| 42809  | Sun Yat-sen University                 | China   | Yanmao Chen  | В       | Successful Participant |
| 42832  | Shanghai Jiao Tong University          | China   | Xiaomin Wang | В       | Successful Participant |
|        |  |         |              |         |                        |

| Ctrl # | Institution                                  | Country | Advisor      | Problem | Designation            |
|--------|--|---------|--------------|---------|------------------------|
| 42847  | Capital University of Economics and Business | China   | Tao Ren      | В       | Successful Participant |
| 42862  | Shenyang Jianzhu University                  | China   | Qicheng Xu   | В       | Successful Participant |
| 42869  | Shenyang Jianzhu University                  | China   | Hong Sun     | В       | Successful Participant |
| 42874  | Shenyang Jianzhu University                  | China   | Youlin Ye    | В       | Successful Participant |
| 42878  | Shenyang Jianzhu University                  | China   | Youlin Ye    | В       | Successful Participant |
| 42883  | Shenyang Jianzhu University                  | China   | Hua Ding     | В       | Successful Participant |
| 42884  | Shenyang Jianzhu University                  | China   | Quan Wen     | В       | Successful Participant |
| 42885  | Shenyang Jianzhu University                  | China   | Lihua Sun    | В       | Successful Participant |
| 42891  | Shenyang Jianzhu University                  | China   | Youlin Ye    | В       | Successful Participant |
| 42935  | Shanghai Jiao Tong University                | China   | Xiaomin Wang | В       | Successful Participant |
| 42949  | Sun Yat-Sen University                       | China   | Hong Wu      | В       | Successful Participant |
|        |  |         | 5            |         |                        |

| Ctrl # | Institution                                   | Country | Advisor       | Problem | Designation            |  |
|--------|---|---------|---------------|---------|------------------------|--|
| 42955  | Beijing National Day School                   | China   | Haonan Zhu    | В       | Successful Participant |  |
| 42973  | Peking University                             | China   | Yizhou Lv     | В       | Successful Participant |  |
| 42979  | Southwestern University of Finance and        | China   | WenYi Huang   | В       | Successful Participant |  |
| 42989  | Anging Normal University                      | China   | Yongbing Wang | В       | Successful Participant |  |
| 42995  | Anging Normal University                      | China   | Sugen Chen    | В       | Successful Participant |  |
| 43001  | University of Shanghai for Science and        | China   | Chen Liu      | В       | Successful Participant |  |
| 43051  | Tongji University                             | China   | Meisong Tong  | В       | Successful Participant |  |
| 43057  | Beijing University of Posts and               | China   | Hualan Wang   | В       | Successful Participant |  |
| 43065  | East China Normal University                  | China   | Fuyong Wan    | В       | Successful Participant |  |
| 43067  | University of Science and Technology of China | China   | Feng Lin      | В       | Successful Participant |  |
| 43087  | Linfield College                              | USA     | Xiaoyue Luo   | В       | Successful Participant |  |
|        |   |         |               |         |                        |  |

| Ctrl # | Institution                            | Country | Advisor      | Problem | Designation            |  |
|--------|--|---------|--------------|---------|------------------------|--|
| 43093  | Shandong University of Science and     | China   | Weiguo Qiao  | В       | Successful Participant |  |
| 43114  | Northeastern University at Qinhuangdao | China   | Yushan Jiang | В       | Successful Participant |  |
| 43145  | Beijing University of Posts and        | China   | Wenbo ZHANG  | В       | Successful Participant |  |
| 43150  | Beijing University of Posts and        | China   | Wenbo ZHANG  | В       | Successful Participant |  |
| 43162  | Beijing University of Posts and        | China   | Wenbo ZHANG  | В       | Successful Participant |  |
| 43163  | Beijing University of Posts and        | China   | Wenbo ZHANG  | В       | Successful Participant |  |
| 43178  | Jiangxi Normal university science and  | China   | Kai Zhu      | В       | Successful Participant |  |
| 43227  | Harbin Institute of Technology         | China   | Xiaofang Li  | В       | Successful Participant |  |
| 43266  | Harbin Institute of Technology         | China   | Rongning Qu  | В       | Successful Participant |  |
| 43268  | Harbin Institute of Technology         | China   | Rongning Qu  | В       | Successful Participant |  |
| 43370  | Hainan University                      | China   | Yulai Wu     | В       | Successful Participant |  |

| Ctrl # | Institution                                  | Country | Advisor           | Problem | Designation            |
|--------|--|---------|-------------------|---------|------------------------|
| 43384  | Shanghai Jiao Tong University                | China   | Xiaomin Wang      | В       | Successful Participant |
| 43386  | Beijing Institute of Technology              | China   | Hai Jin           | В       | Successful Participant |
| 43438  | Beijing University of Posts and              | China   | Jiankui YANG      | В       | Successful Participant |
| 43441  | EAST CHINA NORMAL UNIVERSITY                 | China   | Shujin Wu         | В       | Successful Participant |
| 43446  | Guizhou Minzu University                     | China   | Zhongyi Wu        | В       | Successful Participant |
| 43452  | Panzhihua University                         | China   | Liang Ma          | В       | Successful Participant |
| 43488  | Capital University of Economics and Business | China   | Tao Ren           | В       | Successful Participant |
| 43502  | Capital University of Economics and Business | China   | Tao Ren           | В       | Successful Participant |
| 43503  | Capital University of Economics and Business | China   | Tao Ren           | В       | Successful Participant |
| 43521  | Rowan College at Gloucester County           | USA     | Jennifer Hoxworth | В       | Successful Participant |
| 43524  | Shandong University                          | China   | Baodong Liu       | В       | Successful Participant |
|        |  |         |                   |         |                        |

| Ctrl # | Institution                     | Country | Advisor       | Problem | Designation            |
|--------|---------------------------------|---------|---------------|---------|------------------------|
| 43546  | Mathematics                     | China   | GuoXing Fang  | В       | Successful Participant |
| 43547  | Shanghai Jiao Tong University   | China   | Xiaomin Wang  | В       | Successful Participant |
| 43600  | Beijing university of post and  | China   | Guang Yang    | В       | Successful Participant |
| 43613  | Jinan University                | China   | HU Daiqiang   | В       | Successful Participant |
| 43623  | Jinan University                | China   | LUO Shizhuang | В       | Successful Participant |
| 43628  | Jinan University                | China   | LUO Shizhuang | В       | Successful Participant |
| 43641  | Wuhan university of technology  | China   | DeShan Chen   | В       | Successful Participant |
| 43643  | Beijing University of Posts and | China   | GuoSheng Xu   | В       | Successful Participant |
| 43679  | Dalian Maritime University      | China   | Guoyan Chen   | В       | Successful Participant |
| 43680  | Dalian Maritime University      | China   | Guoyan Chen   | В       | Successful Participant |
| 43682  | Dalian Maritime University      | China   | Guoyan Chen   | В       | Successful Participant |
|        |                                 |         |               |         |                        |

| Ctrl # | Institution                            | Country | Advisor        | Problem | Designation            |
|--------|--|---------|----------------|---------|------------------------|
| 43691  | Wuhan University                       | China   | Fuhong Wang    | В       | Successful Participant |
| 43699  | Northeastern University at Qinhuangdao | China   | Mingwei Li     | В       | Successful Participant |
| 43704  | Northeastern University at Qinhuangdao | China   | Chao Liu       | В       | Successful Participant |
| 43707  | University of Shanghai for Science and | China   | Changliang Liu | В       | Successful Participant |
| 43743  | Heilongjiang college of construction   | China   | Lv bo          | В       | Successful Participant |
| 43800  | University of Shanghai for Science and | China   | Jinghua Zhao   | В       | Successful Participant |
| 43810  | Humboldt State University              | USA     | Kamila Larripa | В       | Successful Participant |
| 43814  | Ма                                     | China   | Chao Ma        | В       | Successful Participant |
| 43818  | Shanghai Jiao Tong University          | China   | Xiaomin Wang   | В       | Successful Participant |
| 43824  | Southwestern University of Finance and | China   | Dai Dai        | В       | Successful Participant |
| 43858  | South China Normal University          | China   | Zhibin Xiong   | В       | Successful Participant |
|        |  |         |                |         |                        |

| Ctrl #                  | Institution  | Country                 | Advisor                              | Problem     | Designation  |
|-------------------------|--|-------------------------|--------------------------------------|-------------|--|
| 43869                   | South China Normal University  | China                   | Jian Deng                            | В           | Successful Participant   |
| 43874                   | Dalian Maritime University   | China                   | Yongchao Liu                         | В           | Successful Participant   |
| 43888                   | South China Normal University  | China                   | Minglan Wang                         | В           | Successful Participant   |
| 43902                   | Dalian Maritime University   | China                   | Yongchao Liu                         | В           | Successful Participant   |
| 43913                   | Southwestern University of Finance and   | China                   | qingbang zhang                       | В           | Successful Participant   |
| 43917                   | Beijing University of Posts and  | China                   | Yong ZUO                             | В           | Successful Participant   |
| 43920                   | Dalian Maritime University   | China                   | Guoyan Chen                          | В           | Successful Participant   |
| 43932                   | Heilongjiang college of construction   | China                   | An ran                               | В           | Successful Participant   |
| 43946                   | Dalian Maritime University   | China                   | Shuqin Yang                          | В           | Successful Participant   |
| 43969                   | Dalian Maritime University   | China                   | Shuqin Yang                          | В           | Successful Participant   |
| 43982                   | Beijing Institute of Technology  | China                   | Hai Jin                              | В           | Successful Participant   |
| 43932<br>43946<br>43969 | Heilongjiang college of construction<br>Dalian Maritime University<br>Dalian Maritime University | China<br>China<br>China | An ran<br>Shuqin Yang<br>Shuqin Yang | B<br>B<br>B | Successful Participant Successful Participant Successful Participant |

| Ctrl # | Institution                                | Country | Advisor        | Problem | Designation            |
|--------|--|---------|----------------|---------|------------------------|
| 43996  | Dalian Maritime University                 | China   | Yunjie Zhang   | В       | Successful Participant |
| 44011  | Sun Yat-Sen University                     | China   | Yuanshi Wang   | В       | Successful Participant |
| 44015  | Sun Yat-Sen University                     | China   | Xiaolong Jiang | В       | Successful Participant |
| 44021  | Dalian Maritime University                 | China   | Yunjie Zhang   | В       | Successful Participant |
| 44079  | Beijing University of Posts and            | China   | Yongjiang GUO  | В       | Successful Participant |
| 44082  | University of Science & Technology Beijing | China   | Li Qing        | В       | Successful Participant |
| 44120  | Beijing University of Posts and            | China   | Lihua ZHANG    | В       | Successful Participant |
| 44131  | Nankai University                          | China   | Zhenhao Li     | В       | Successful Participant |
| 44133  | Beijing University of Posts and            | China   | Lihua ZHANG    | В       | Successful Participant |
| 44136  | Beijing University of Posts and            | China   | Lihua ZHANG    | В       | Successful Participant |
| 44151  | Shanghai Jiao Tong University              | China   | Xiaomin Wang   | В       | Successful Participant |
|        |  |         |                |         |                        |

| Ctrl #   | Institution                                     | Country | Advisor      | Problem | Designation            |
|----------|---|---------|--------------|---------|------------------------|
| 44314 C  | changsha University                             | China   | Kui Zhang    | В       | Successful Participant |
| 44339 S  | un Yat-sen University                           | China   | Dong Zhang   | В       | Successful Participant |
| 44407 S  | henyang University of Technology                | China   | Hongbo Du    | В       | Successful Participant |
| 44414 N  | laval Aeronautical and Astronautical University | China   | Shoukui Si   | В       | Successful Participant |
| 44418 H  | larbin Institute of Technology                  | China   | Xilian Wang  | В       | Successful Participant |
| 44448 H  | larbin Institute of Technology                  | China   | Shengyang He | В       | Successful Participant |
| 44457 C  | chang'an University                             | China   | Qiao Yan     | В       | Successful Participant |
| 44476 B  | Beijing University of Post and                  | China   | Jinquan Li   | В       | Successful Participant |
| 44577 H  | larbin Institute of Technology                  | China   | Daohua Li    | В       | Successful Participant |
| 44707 S  | HENYANG UNIVERSITY OF TECHNOLOGY                | China   | Bo Wang      | В       | Successful Participant |
| 44742 Ti | ianjin University                               | China   | YONG WANG    | В       | Successful Participant |

| Ctrl # | Institution                       | Country | Advisor        | Problem | Designation            |
|--------|-----------------------------------|---------|----------------|---------|------------------------|
| 44743  | Beijing Normal University, Zhuhai | China   | Wei Zhou       | В       | Successful Participant |
| 44802  | Shenyang Jianzhu University       | China   | Sen He         | В       | Successful Participant |
| 44826  | Wuhan University                  | China   | Ming Hu        | В       | Successful Participant |
| 44847  | University of Colorado Boulder    | USA     | Anne Dougherty | В       | Successful Participant |
| 44918  | Shenyang Jianzhu University       | China   | Long Ma        | В       | Successful Participant |
| 44928  | Shenyang Jianzhu University       | China   | Long Ma        | В       | Successful Participant |
| 44937  | Harbin Institute of Technology    | China   | Xiaofang Li    | В       | Successful Participant |
| 44939  | Harbin Institute of Technology    | China   | Xiaofang Li    | В       | Successful Participant |
| 44941  | Harbin Institute of Technology    | China   | Xiaofang Li    | В       | Successful Participant |
| 44962  | Minzu University of China         | China   | Jin He         | В       | Successful Participant |
| 44971  | Chengdu University of Technology  | China   | YuLan Wang     | В       | Successful Participant |

| Ctrl # | Institution                                    | Country | Advisor      | Problem | Designation            |
|--------|--|---------|--------------|---------|------------------------|
| 44988  | Zhengzhou University                           | China   | Le Li        | В       | Successful Participant |
| 44994  | North China Electric Power University Baoding  | China   | Yinghua Gu   | В       | Successful Participant |
| 44998  | Northwestern Polytechnical University          | China   | Xiaohong An  | В       | Successful Participant |
| 45014  | College of Applied Science.Jiang Xi University | China   | Liying Lan   | В       | Successful Participant |
| 45023  | Dalian University of Technology                | China   | Qiuhui Pan   | В       | Successful Participant |
| 45031  | Dalian University of Technology                | China   | Qiuhui Pan   | В       | Successful Participant |
| 45036  | East China Normal University                   | China   | Yan Li       | В       | Successful Participant |
| 45053  | Peking University                              | China   | Minghua Deng | В       | Successful Participant |
| 45055  | China University of Petroleum                  | China   | Yunquan Song | В       | Successful Participant |
| 45087  | Shanghai Jiao Tong University                  | China   | Xiaomin Wang | В       | Successful Participant |
| 45117  | College  | China   | Guoxian Wang | В       | Successful Participant |
|        |  |         |              |         |                        |

| Ctrl # | Institution                            | Country | Advisor      | Problem | Designation            |
|--------|--|---------|--------------|---------|------------------------|
| 45136  | Yunnan University                      | China   | Haiyan Li    | В       | Successful Participant |
| 45151  | Northeastern University at Qinhuangdao | China   | Jianbo Zhang | В       | Successful Participant |
| 45152  | Northeastern University at Qinhuangdao | China   | Jianbo Zhang | В       | Successful Participant |
| 45176  | Beihang University                     | China   | Shangzhi Li  | В       | Successful Participant |
| 45180  | Northwestern Polytechnical University  | China   | Haibo Wu     | В       | Successful Participant |
| 45189  | Zhejiang Sci-Tech University           | China   | Jueliang Hu  | В       | Successful Participant |
| 45192  | North China Electric Power University  | China   | Yongjun Lin  | В       | Successful Participant |
| 45206  | Dalian University of Technology        | China   | Qiuhui Pan   | В       | Successful Participant |
| 45232  | Dalian University of Technology        | China   | Yiwei Liu    | В       | Successful Participant |
| 45244  | Dalian University of Technology        | China   | Yiwei Liu    | В       | Successful Participant |
| 45248  | Dalian University of Technology        | China   | Qiuhui Pan   | В       | Successful Participant |
|        |  |         |              |         |                        |

| Ctrl # | Institution                     | Country | Advisor     | Problem | Designation            |
|--------|---------------------------------|---------|-------------|---------|------------------------|
| 45250  | Dalian University of Technology | China   | Qiuhui Pan  | В       | Successful Participant |
| 45253  | Dalian University of Technology | China   | Yiwei Liu   | В       | Successful Participant |
| 45267  | Dalian University of Technology | China   | Qiuhui Pan  | В       | Successful Participant |
| 45273  | Dalian University of Technology | China   | Qiuhui Pan  | В       | Successful Participant |
| 45283  | Dalian University of Technology | China   | Qiuhui Pan  | В       | Successful Participant |
| 45284  | Dalian University of Technology | China   | Qiuhui Pan  | В       | Successful Participant |
| 45308  | Dalian University of Technology | China   | Yiwei Liu   | В       | Successful Participant |
| 45328  | Dalian University of Technology | China   | Yiwei Liu   | В       | Successful Participant |
| 45391  | Dalian University of Technology | China   | Qiuhui Pan  | В       | Successful Participant |
| 45398  | Shandong University             | China   | Shengle Cao | В       | Successful Participant |
| 45406  | Dalian University of Technology | China   | Qiuhui Pan  | В       | Successful Participant |
|        |                                 |         |             |         |                        |

| Ctrl # | Institution                                   | Country | Advisor       | Problem | Designation            |
|--------|---|---------|---------------|---------|------------------------|
| 45411  | Dalian University of Technology               | China   | Qiuhui Pan    | В       | Successful Participant |
| 45419  | Dalian University of Technology               | China   | Qiuhui Pan    | В       | Successful Participant |
| 45439  | Dalian University of Technology               | China   | Qiuhui Pan    | В       | Successful Participant |
| 45456  | Dalian University of Technology               | China   | Qiuhui Pan    | В       | Successful Participant |
| 45457  | Dalian University of Technology               | China   | Qiuhui Pan    | В       | Successful Participant |
| 45474  | North China Electric Power University Baoding | China   | Zhenbing Zhao | В       | Successful Participant |
| 45531  | Henan University                              | China   | Chenmei Xu    | В       | Successful Participant |
| 45548  | HARBIN ENGINEERING UNIVERSITY                 | China   | xu liyan      | В       | Successful Participant |
| 45572  | Hefei No.8 high school                        | China   | Mengping Tao  | В       | Successful Participant |
| 45579  | HARBIN ENGINEERING UNIVERSITY                 | China   | xu liyan      | В       | Successful Participant |
| 45599  | HARBIN ENGINEERING UNIVERSITY                 | China   | Zhang Xiaowei | В       | Successful Participant |
|        |   |         |               |         |                        |

| <br>Designation   | Problem               | Advisor  | Country  | Institution   | Ctrl #   |
|---|-----------------------|--|--|---|--|
| Successful Participant  | В                     | Zhang Xiaowei  | China  | HARBIN ENGINEERING UNIVERSITY   | 45612  |
| <br>Successful Participant  | В                     | Zhang Xiaowei  | China  | HARBIN ENGINEERING UNIVERSITY   | 45613  |
| <br>Successful Participant  | В                     | chu zhujie   | China  | HARBIN ENGINEERING UNIVERSITY   | 45635  |
| <br>Successful Participant  | В                     | chu zhujie   | China  | HARBIN ENGINEERING UNIVERSITY   | 45636  |
| <br>Successful Participant  | В                     | Min Chen   | China  | Donghua University  | 45656  |
| <br>Successful Participant  | В                     | Qinghua Li   | China  | Yantai University   | 45662  |
| Successful Participant  | В                     | Xiurong Geng   | China  | Guilin University of Aerospace Technology   | 45690  |
| <br>Successful Participant  | В                     | Xiaobo Qu  | China  | Xiamen University   | 45723  |
| <br>Successful Participant  | В                     | Limin Wang   | China  | Liaoning Shihua University  | 45725  |
| Successful Participant  | В                     | Cailian Yao  | China  | Liaoning Shihua University  | 45729  |
| Successful Participant  | В                     | Xinzeng Wang   | China  | Shandong University of Science and  | 45734  |
| <br>Successful Participant Successful Participant Successful Participant Successful Participant Successful Participant Successful Participant | B<br>B<br>B<br>B<br>B | Min Chen<br>Qinghua Li<br>Xiurong Geng<br>Xiaobo Qu<br>Limin Wang<br>Cailian Yao | China<br>China<br>China<br>China<br>China<br>China | Donghua University<br>Yantai University<br>Guilin University of Aerospace Technology<br>Xiamen University<br>Liaoning Shihua University<br>Liaoning Shihua University | 45656<br>45662<br>45690<br>45723<br>45725<br>45729 |

| Ctrl # | Institution                                   | Country | Advisor       | Problem | Designation            |
|--------|---|---------|---------------|---------|------------------------|
| 45737  | Liaoning Shihua University                    | China   | Mingming Chen | В       | Successful Participant |
| 45751  | North China Electric Power University         | China   | TIAN LI       | В       | Successful Participant |
| 45767  | North China Electric Power University         | China   | Xiaofeng Liu  | В       | Successful Participant |
| 45774  | North China Electric Power University Baoding | China   | Huichun Hua   | В       | Successful Participant |
| 45803  | Shandong University of Science and            | China   | Xikui Liu     | В       | Successful Participant |
| 45824  | EAST CHINA NORMAL UNIVERSITY                  | China   | JINRONG LIANG | В       | Successful Participant |
| 45830  | South China Normal University                 | China   | Shaohui Zhang | В       | Successful Participant |
| 45838  | North China Electric Power University Baoding | China   | Ping Wang     | В       | Successful Participant |
| 45846  | Zhengzhou University                          | China   | Xiaoling Feng | В       | Successful Participant |
| 45885  | China Institute of Industrial Relations       | China   | ZHIGAO WANG   | В       | Successful Participant |
| 45895  | Qinggong College, North China University of   | China   | Yankun Li     | В       | Successful Participant |
|        |   |         |               |         |                        |

| Ctrl # | Institution                            | Country | Advisor        | Problem | Designation            |
|--------|--|---------|----------------|---------|------------------------|
| 45953  | North China Electric Power Univerisity | China   | Xuqiang Shao   | В       | Successful Participant |
| 45975  | Nanchang University                    | China   | Hongwei Yin    | В       | Successful Participant |
| 46001  | Henan University                       | China   | Zhiguang Liu   | В       | Successful Participant |
| 46043  | Zhejiang University                    | China   | Guochuan Zhang | В       | Successful Participant |
| 46049  | Chongqing Jiaotong University          | China   | Lei Zhang      | В       | Successful Participant |
| 46070  | Chongqing Jiaotong University          | China   | Fengqing Han   | В       | Successful Participant |
| 46081  | Chongqing Jiaotong University          | China   | Leina Zhao     | В       | Successful Participant |
| 46091  | Shanghai Jiao Tong University          | China   | Xiaomin Wang   | В       | Successful Participant |
| 46123  | Sterling College                       | USA     | Pete Kosek     | В       | Successful Participant |
| 46127  | Jilin University                       | China   | Cao Chunling   | В       | Successful Participant |
| 46199  | Henan University                       | China   | Shousheng Luo  | В       | Successful Participant |

| Ctrl # | Institution                                 | Country | Advisor        | Problem | Designation            |  |
|--------|---|---------|----------------|---------|------------------------|--|
| 46229  | Harbin University of Commerce               | China   | Jingxin Zhang  | В       | Successful Participant |  |
| 46255  | Shenyang Jianzhu University                 | China   | Haiyi Sun      | В       | Successful Participant |  |
| 46287  | University of South China                   | China   | Huang Chonghui | В       | Successful Participant |  |
| 46290  | University of South China                   | China   | Liao Maoxin    | В       | Successful Participant |  |
| 46296  | Shenyang Jianzhu University                 | China   | Haiyi Sun      | В       | Successful Participant |  |
| 46325  | Southwestern University of Finance and      | China   | Yunlong Sun    | В       | Successful Participant |  |
| 46358  | Hai Nan University                          | China   | Haohua Wang    | В       | Successful Participant |  |
| 46359  | Shanghai Jiao Tong University               | China   | Xiaomin Wang   | В       | Successful Participant |  |
| 46389  | Fuzhou College of Foreign Studies And Trade | China   | Hong Chen      | В       | Successful Participant |  |
| 46430  | Shandong University                         | China   | Shuxiang Huang | В       | Successful Participant |  |
| 46444  | Beijing Institute of Technology             | China   | QIYUAN CHENG   | В       | Successful Participant |  |
|        |   |         |                |         |                        |  |

| Ctrl # | Institution                                 | Country | Advisor        | Problem | Designation            |  |
|--------|---|---------|----------------|---------|------------------------|--|
| 46460  | Central South University                    | China   | Hou Muzhou     | В       | Successful Participant |  |
| 46462  | Central South University                    | China   | Hou Muzhou     | В       | Successful Participant |  |
| 46466  | Qinggong College, North China University of | China   | Li Li          | В       | Successful Participant |  |
| 46506  | Central South University                    | China   | Liu Xinge      | В       | Successful Participant |  |
| 46559  | Beijing Institute of Technology             | China   | Guoqing Zhu    | В       | Successful Participant |  |
| 46575  | Beijing University of Posts and             | China   | Zuguo He       | В       | Successful Participant |  |
| 46576  | Northeastern University                     | China   | Han LI         | В       | Successful Participant |  |
| 46601  | Shandong University of Science and          | China   | Hongliang Zhao | В       | Successful Participant |  |
| 46626  | Guangdong University of Foreign Studies     | China   | Ying Li        | В       | Successful Participant |  |
| 46663  | Xiamen University                           | China   | tao zeng       | В       | Successful Participant |  |
| 46671  | Central South University                    | China   | Hu Zhi         | В       | Successful Participant |  |

| Ctrl # | Institution                                | Country | Advisor     | Problem | Designation            |
|--------|--|---------|-------------|---------|------------------------|
| 46732  | Shandong University of Science and         | China   | Jianli Zhao | В       | Successful Participant |
| 46744  | Zhejiang Normal University                 | China   | Xinzhong Lu | В       | Successful Participant |
| 46758  | Shenyang ligong University                 | China   | Yan Zhang   | В       | Successful Participant |
| 46761  | Shenyang Ligong University                 | China   | Junjie Wang | В       | Successful Participant |
| 46770  | Beijing Technology and Business University | China   | Qin Li      | В       | Successful Participant |
| 46779  | Central South University                   | China   | He Fuli     | В       | Successful Participant |
| 46794  | Central South University                   | China   | He Fuli     | В       | Successful Participant |
| 46802  | Central South University                   | China   | He Fuli     | В       | Successful Participant |
| 46803  | Central South University                   | China   | He Fuli     | В       | Successful Participant |
| 46808  | Central South University                   | China   | He Fuli     | В       | Successful Participant |
| 46809  | Central South University                   | China   | He Fuli     | В       | Successful Participant |
|        |  |         |             |         |                        |

| Ctrl # | Institution                    | Country | Advisor             | Problem | Designation            |
|--------|--------------------------------|---------|---------------------|---------|------------------------|
| 46825  | Central South University       | China   | He Fuli             | в       | Successful Participant |
| 46868  | Central South University       | China   | Zhang Dianzhong     | В       | Successful Participant |
| 46872  | CHINA THREE GORGES UNIVERSITY  | China   | TaiGui Qin          | В       | Successful Participant |
| 46874  | Central South University       | China   | Zhang Dianzhong     | В       | Successful Participant |
| 46897  | HEBEI UNIVERSITY OF TECHNOLOGY | China   | Huizhao Liu         | В       | Successful Participant |
| 46976  | South China Normal University  | China   | Hongchu Wang        | В       | Successful Participant |
| 46996  | Shandong University(Weihai)    | China   | Bing Yang           | В       | Successful Participant |
| 47002  | Shandong University(Weihai)    | China   | Bing Yang Wei S     | un B    | Successful Participant |
| 47033  | Central South University       | China   | Fang Qiulian        | В       | Successful Participant |
| 47043  | Shandong University(Weihai)    | China   | Fengkai Yang Fangcı | ui B    | Successful Participant |
| 47056  | Shandong University(Weihai)    | China   | Ran Zhang           | В       | Successful Participant |

| Ctrl # | Institution                    | Country | Advisor        | Problem | Designation            |
|--------|--------------------------------|---------|----------------|---------|------------------------|
| 47068  | CENTRAL SOUTH UNIVERSITY       | China   | Qin Xuanyun    | В       | Successful Participant |
| 47101  | CENTRAL SOUTH UNIVERSITY       | China   | Qin Xuanyun    | В       | Successful Participant |
| 47102  | CENTRAL SOUTH UNIVERSITY       | China   | Qin Xuanyun    | В       | Successful Participant |
| 47108  | Central South University       | China   | Wei He         | В       | Successful Participant |
| 47111  | Southwest Jiaotong University  | China   | Mi Gan         | В       | Successful Participant |
| 47132  | Central South University       | China   | Wei He         | В       | Successful Participant |
| 47149  | Central South University       | China   | Wei He         | В       | Successful Participant |
| 47150  | University of Colorado Boulder | USA     | Manuel Lladser | В       | Successful Participant |
| 47152  | Central South University       | China   | Wei He         | В       | Successful Participant |
| 47166  | Shenyang Jianzhu University    | China   | Haiyi Sun      | В       | Successful Participant |
| 47176  | Beijing Jiaotong University    | China   | Bingtuan Wang  | В       | Successful Participant |
|        |                                |         |                |         |                        |

| Ctrl # | Institution                        | Country | Advisor       | Problem | Designation            |
|--------|------------------------------------|---------|---------------|---------|------------------------|
| 47185  | East China Normal University       | China   | Yupeng Zhang  | В       | Successful Participant |
| 47212  | Shandong University of Science and | China   | Desen Kong    | В       | Successful Participant |
| 47216  | Shandong University of Science and | China   | Tongxu Wang   | В       | Successful Participant |
| 47293  | Wake Forest University             | USA     | Miaohua Jiang | В       | Successful Participant |
| 47319  | Beijing Jiaotong University        | China   | Bingtuan Wang | В       | Successful Participant |
| 47349  | Shanghai University                | China   | Youhua He     | В       | Successful Participant |
| 47395  | Shanghai University                | China   | Xiying Yuan   | В       | Successful Participant |
| 47400  | Central South University           | China   | Xu Yufeng     | В       | Successful Participant |
| 47404  | Central South University           | China   | Xu Yufeng     | В       | Successful Participant |
| 47408  | Central South University           | China   | Xu Yufeng     | В       | Successful Participant |
| 47411  | Central South University           | China   | Xu Yufeng     | В       | Successful Participant |
|        |                                    |         |               |         |                        |

| Ctrl # | Institution                           | Country | Advisor       | Problem | Designation            |
|--------|---------------------------------------|---------|---------------|---------|------------------------|
| 47477  | North China Electric Power University | China   | Yehui Huang   | В       | Successful Participant |
| 47490  | Tsinghua University                   | China   | Zhenbo Wang   | В       | Successful Participant |
| 47500  | Shanghai University                   | China   | YOUHUA HE     | В       | Successful Participant |
| 47525  | Dong Hua University                   | China   | SuRong You    | В       | Successful Participant |
| 47541  | Nankai University                     | China   | Guang Yang    | В       | Successful Participant |
| 47542  | Shanghai University                   | China   | Hong Xu       | В       | Successful Participant |
| 47640  | College of Foreign Languages,Nankai   | China   | Yue Jian      | В       | Successful Participant |
| 47642  | Shanghai University                   | China   | Bai YanQin    | В       | Successful Participant |
| 47663  | XIAMEN UNIVERSITY                     | China   | ZHONG TAN     | В       | Successful Participant |
| 47669  | Beijing University of Aeronautics and | China   | Guolin Sun    | В       | Successful Participant |
| 47679  | Xiangtan University                   | China   | Hongliang Liu | В       | Successful Participant |

| Designation   | Problem               | Advisor  | Country  | Institution  | Ctrl #   |
|---|-----------------------|--|--|--|--|
| Successful Participant  | В                     | Chengfu Li   | China  | Xiangtan University  | 47709  |
| Successful Participant  | В                     | Chengfu Li   | China  | Xiangtan University  | 47711  |
| <br>Successful Participant  | В                     | Chengfu Li   | China  | Xiangtan University  | 47713  |
| Successful Participant  | В                     | Mengping Tao   | China  | Hefei No.8 high school   | 47718  |
| <br>Successful Participant  | В                     | Zhiwu Wen  | China  | Xiangtan University  | 47729  |
| <br>Successful Participant  | В                     | Zhiwu Wen  | China  | Xiangtan University  | 47733  |
| <br>Successful Participant  | В                     | MING ZHANG   | China  | China University of Political science and Law  | 47751  |
| Successful Participant  | В                     | Ming Li  | China  | Wuhan University of Science and Technology   | 47752  |
| <br>Successful Participant  | В                     | Liangfu Lv   | China  | Tianjin University   | 47757  |
| Successful Participant  | В                     | Xinyu Fan  | China  | Nankai University  | 47761  |
| <br>Successful Participant  | В                     | Liangfu Lu   | China  | Tianjin University   | 47763  |
| <br>Successful Participant Successful Participant Successful Participant Successful Participant Successful Participant Successful Participant | B<br>B<br>B<br>B<br>B | Zhiwu Wen<br>Zhiwu Wen<br>MING ZHANG<br>Ming Li<br>Liangfu Lv<br>Xinyu Fan | China<br>China<br>China<br>China<br>China<br>China | Xiangtan University<br>Xiangtan University<br>China University of Political science and Law<br>Wuhan University of Science and Technology<br>Tianjin University<br>Nankai University | 47729<br>47733<br>47751<br>47752<br>47757<br>47761 |

| Ctrl # | Institution                                 | Country | Advisor        | Problem | Designation            |
|--------|---|---------|----------------|---------|------------------------|
| 47780  | Beijing Normal University                   | China   | Haiyang Huang  | В       | Successful Participant |
| 47803  | China University of Geoscience(Wu Han)      | China   | Peng Hu        | В       | Successful Participant |
| 47820  | XIDIAN UNIVERSITY                           | China   | Bo Ling        | В       | Successful Participant |
| 47838  | Beijing Jiaotong University                 | China   | Wenhao Gui     | В       | Successful Participant |
| 47844  | Ludong University                           | China   | Wei Liu        | В       | Successful Participant |
| 47892  | Chongqing University                        | China   | Guanghui Huang | В       | Successful Participant |
| 47904  | dongbei university of finance and economics | China   | Dongxu Wang    | В       | Successful Participant |
| 47950  | China University of Mining and Technology   | China   | Zongxiang WU   | В       | Successful Participant |
| 47972  | Peking University                           | China   | Haifeng Chen   | В       | Successful Participant |
| 47991  | Chongqing University                        | China   | Liangcai Zhang | В       | Successful Participant |
| 48025  | Shanghai University                         | China   | Hong Xu        | В       | Successful Participant |
|        |   |         |                |         |                        |

| Ctrl # | Institution                           | Country | Advisor      | Problem | Designation            |
|--------|---------------------------------------|---------|--------------|---------|------------------------|
| 48205  | Chongqing University                  | China   | Guanghui He  | В       | Successful Participant |
| 48220  | North China Electric Power University | China   | Xuelin Yong  | В       | Successful Participant |
| 48225  | Tsinghua University                   | China   | Zhenbo Wang  | В       | Successful Participant |
| 48229  | Shanghai University                   | China   | Ying Ji Sun  | В       | Successful Participant |
| 48257  | Tsinghua University                   | China   | Zhenbo Wang  | В       | Successful Participant |
| 48264  | Nanjing University                    | China   | Weihua Huang | В       | Successful Participant |
| 48293  | NORTH CHINA ELECTRIC POWER UNIVERSITY | China   | Yundong GU   | В       | Successful Participant |
| 48302  | Fudan University                      | China   | Zhijie Cai   | В       | Successful Participant |
| 48340  | China University of Geosciences       | China   | Fei Yang     | В       | Successful Participant |
| 48368  | Shandong University of Science and    | China   | Guo Rong     | В       | Successful Participant |
| 48376  | Jilin University                      | China   | Tian Dong    | В       | Successful Participant |
|        |                                       |         |              |         |                        |

| Ctrl # | Institution                           | Country | Advisor       | Problem | Designation            |
|--------|---------------------------------------|---------|---------------|---------|------------------------|
| 48397  | Guangdong University of Technology    | China   | Zhenyou Wang  | В       | Successful Participant |
| 48399  | wuhan university                      | China   | Haijian Zhang | В       | Successful Participant |
| 48409  | Beijing Normal University             | China   | Wenyi Zeng    | В       | Successful Participant |
| 48418  | Dalian Polytechnic University         | China   | Jiawu Yu      | В       | Successful Participant |
| 48420  | SOUTHWEST PETROLEUM UNIVERSITY        | China   | Bin Zhou      | В       | Successful Participant |
| 48475  | Nanjing University                    | China   | GuoYong Gu    | В       | Successful Participant |
| 48492  | harbin finance university             | China   | cong ruixue   | В       | Successful Participant |
| 48507  | Zhuhai College of Jilin University    | China   | Tang Chunyan  | В       | Successful Participant |
| 48521  | Guangdong University of Technology    | China   | Shengbing Xu  | В       | Successful Participant |
| 48524  | North China Electric Power University | China   | Xiaoying Wang | В       | Successful Participant |
| 48527  | Beihang University                    | China   | Wei Feng      | В       | Successful Participant |

| Ctrl # | Institution                                   | Country | Advisor        | Problem | Designation            |
|--------|---|---------|----------------|---------|------------------------|
| 48529  | Guangdong University of Technology            | China   | Xiaoming Xiong | В       | Successful Participant |
| 48539  | JIADING NO.1 HIGH SCHOOL                      | China   | SHUWEI CHEN    | В       | Successful Participant |
| 48543  | Shanghai Jiading No.1 Senior High School      | China   | Jianyu Wang    | В       | Successful Participant |
| 48546  | Shanghai Jiading No.1 Senior High School      | China   | Yingxia Hu     | В       | Successful Participant |
| 48547  | Shanghai Jiading No.1 Senior High School      | China   | Jianyu Wang    | В       | Successful Participant |
| 48564  | Guangdong University of Technology            | China   | Zhenyou Wang   | В       | Successful Participant |
| 48586  | Beijing Normal University                     | China   | Qing He        | В       | Successful Participant |
| 48611  | Nankai University                             | China   | Chao Wang      | В       | Successful Participant |
| 48616  | Tongji University                             | China   | Xiongda Chen   | В       | Successful Participant |
| 48619  | North China Electric Power University Baoding | China   | JINGGANG LIU   | В       | Successful Participant |
| 48648  | Minzu University of China                     | China   | Shuqin Liu     | В       | Successful Participant |
|        |   |         |                |         |                        |

| Ctrl # | Institution                                   | Country | Advisor        | Problem | Designation            |   |
|--------|---|---------|----------------|---------|------------------------|---|
| 48651  | Nantong University                            | China   | junyao Pan     | В       | Successful Participant |   |
| 48653  | Nantong University                            | China   | daorong Lin    | В       | Successful Participant |   |
| 48659  | Guangdong University of Technology            | China   | Xiaoming Xiong | В       | Successful Participant |   |
| 48666  | Peking University                             | China   | Yulong Liu     | В       | Successful Participant |   |
| 48686  | North China Electric Power University Baoding | China   | Yan Yan        | В       | Successful Participant |   |
| 48695  | Shanghai University of Electric Power         | China   | Bo Zhou        | В       | Successful Participant |   |
| 48734  | Dalhousie University                          | Canada  | Dorothea Pronk | В       | Successful Participant |   |
| 48766  | North China Electric Power University Baoding | China   | Qian Kong      | В       | Successful Participant |   |
| 48793  | North China Electric Power University         | China   | Xin Gao        | В       | Successful Participant |   |
| 48797  | Minzu University of China                     | China   | Zhengyuan Zhu  | В       | Successful Participant |   |
| 48800  | Qufu Normal University                        | China   | Jianxiang Tian | В       | Successful Participant | _ |
|        |   |         |                |         |                        |   |

| Ctrl # | Institution                                  | Country | Advisor     | Problem | Designation            |  |
|--------|--|---------|-------------|---------|------------------------|--|
| 48811  | North China Electric Power University        | China   | Xin Gao     | В       | Successful Participant |  |
| 48819  | North China Electric Power University        | China   | Xin Gao     | В       | Successful Participant |  |
| 48827  | North China Electric Power University        | China   | Xin Gao     | В       | Successful Participant |  |
| 48841  | College of Sciences, Northeastern University | China   | Qi Wang     | В       | Successful Participant |  |
| 48861  | Shanghai Jiading No.1 Senior High School     | China   | Jianyu Wang | В       | Successful Participant |  |
| 48864  | Shanghai Jiading No.1 Senior High School     | China   | Yingxia Hu  | В       | Successful Participant |  |
| 48871  | Shanghai Jiading NO.1 Senior High School     | China   | Liye Xu     | В       | Successful Participant |  |
| 48879  | Shanghai Jiading No.1 Senior High School     | China   | Jianyu Wang | В       | Successful Participant |  |
| 48885  | North China Electric Power University        | China   | Xuelin Yong | В       | Successful Participant |  |
| 48886  | Shanghai Jiading No.1 Senior High School     | China   | Jianyu Wang | В       | Successful Participant |  |
| 48905  | Northeastern University                      | China   | Jinhai Liu  | В       | Successful Participant |  |
|        |  |         |             |         |                        |  |

| Ctrl # | Institution                                   | Country | Advisor       | Problem | Designation            |  |
|--------|---|---------|---------------|---------|------------------------|--|
| 48926  | Wuhan University of Technology                | China   | Chu Yangjie   | В       | Successful Participant |  |
| 48937  | Wuhan University of Technology                | China   | Fang Xi       | В       | Successful Participant |  |
| 48957  | Wuhan University of Technology                | China   | Chen Jianye   | В       | Successful Participant |  |
| 48977  | Wuhan University of Technology                | China   | Wan Yuan      | В       | Successful Participant |  |
| 48995  | North China Electric Power University         | China   | Xin Gao       | В       | Successful Participant |  |
| 49043  | North China Electric Power University         | China   | Xin Gao       | В       | Successful Participant |  |
| 49060  | College of Sciences; Northeastern University  | China   | Yang Guo      | В       | Successful Participant |  |
| 49142  | Beijing Forestry University                   | China   | Quandong Feng | В       | Successful Participant |  |
| 49156  | Univ. of Science and Technology of China      | China   | Lin Zhao      | В       | Successful Participant |  |
| 49174  | University of Science and Technology of China | China   | Jie Ma        | В       | Successful Participant |  |
| 49175  | North China Electric Power University Baoding | China   | Zhang Po      | В       | Successful Participant |  |
|        |   |         |               |         |                        |  |

| Ctrl # | Institution                                     | Country | Advisor      | Problem | Designation            |
|--------|---|---------|--------------|---------|------------------------|
| 49179  | Tongji University                               | China   | Yongzhi Wang | В       | Successful Participant |
| 49214  | China University of Geosciences(Wuhan)          | China   | Peng Hu      | В       | Successful Participant |
| 49233  | NORTH CHINA ELECTRIC POWER UNIVERSITY           | China   | Yanhua CAO   | В       | Successful Participant |
| 49260  | Northeastern University                         | China   | Dongyue Chen | В       | Successful Participant |
| 49282  | Automation,software engineering international   | China   | Jun Lang     | В       | Successful Participant |
| 49283  | Nanjing University of Science and Technology    | China   | Bennian Dou  | В       | Successful Participant |
| 49286  | Ningbo Institute of Technology, Zhejiang        | China   | Jufeng Wang  | В       | Successful Participant |
| 49289  | Tsinghua University                             | China   | Zhenbo Wang  | В       | Successful Participant |
| 49309  | Dianchi College Of Yunnan University            | China   | Yang hua     | В       | Successful Participant |
| 49324  | Institute of Software Engineering; Northeastern | China   | Chunyan Han  | В       | Successful Participant |
| 49326  | Hangzhou Normal University Qianjiang College    | China   | Ai Wang      | В       | Successful Participant |
|        |   |         |              |         |                        |

| Ctrl # | Institution  | Country | Advisor        | Problem | Designation            |
|--------|--|---------|----------------|---------|------------------------|
| 49329  | Dianchi College Of Yunnan University               | China   | pingping wu    | В       | Successful Participant |
| 49330  | Ludong University                                  | China   | Guangchen Liu  | В       | Successful Participant |
| 49342  | Tongji University                                  | China   | Wei Wang       | В       | Successful Participant |
| 49347  | Peking University                                  | China   | Zijing Dong    | В       | Successful Participant |
| 49357  | Shandong University                                | China   | Baodong LIU    | В       | Successful Participant |
| 49360  | Shenyang Jianzhu University                        | China   | Shuangyun Xing | В       | Successful Participant |
| 49371  | School of Computer Science and Engineering         | China   | Yu Gu          | В       | Successful Participant |
| 49402  | Key Laboratory of Medical Image Computing;         | China   | Jinzhu Yang    | В       | Successful Participant |
| 49403  | Department of Mathematics; Northeastern            | China   | Zhongbing Yang | В       | Successful Participant |
| 49406  | Department of Mathematics; Northeastern            | China   | Zhongbing Yang | В       | Successful Participant |
| 49409  | Institute of Artificial Intelligence and Robotics; | China   | Dongsheng Yang | В       | Successful Participant |
|        |  |         |                |         |                        |

| Ctrl # | Institution                               | Country | Advisor      | Problem | Designation            |
|--------|---|---------|--------------|---------|------------------------|
| 49430  | North China Electric Power University     | China   | Minghao Liu  | В       | Successful Participant |
| 49485  | SOUTHWEST UNIVERSITY FOR                  | China   | Zhixia Ma    | В       | Successful Participant |
| 49488  | Shaanxi University of Technology          | China   | Qianzhi Zhou | В       | Successful Participant |
| 49496  | Hubei University of Technology            | China   | Desheng Tian | В       | Successful Participant |
| 49505  | Northeastern University                   | China   | Gongshu Wang | В       | Successful Participant |
| 49530  | National University of Defense Technology | China   | Ziyang Mao   | В       | Successful Participant |
| 49531  | SOUTHWEST UNIVERSITY FOR                  | China   | Jiang Cheng  | В       | Successful Participant |
| 49553  | Minzu University of China                 | China   | Shiying Xu   | В       | Successful Participant |
| 49564  | Shanghai University                       | China   | Yanqin Bai   | В       | Successful Participant |
| 49567  | Xiamen University                         | China   | Zhong Tan    | В       | Successful Participant |
| 49617  | East China Normal University              | China   | Jiachen Zou  | В       | Successful Participant |
|        |   |         |              |         |                        |

| Ctrl # | Institution                                 | Country | Advisor      | Problem | Designation            |
|--------|---|---------|--------------|---------|------------------------|
| 49682  | NORTH CHINA ELECTRIC POWER UNIVERSITY       | China   | ZHI PAN      | В       | Successful Participant |
| 49692  | Central University of Finance and Economics | China   | Xiaoming Fan | В       | Successful Participant |
| 49695  | Beijing University of Posts and             | China   | Yong ZUO     | В       | Successful Participant |
| 49700  | Beijing University of Posts and             | China   | Jing Tao     | В       | Successful Participant |
| 49701  | Xi'an Aeronautical Polytechnic Institute    | China   | Lan Zhang    | В       | Successful Participant |
| 49777  | Northwest University                        | China   | Zhiming Li   | В       | Successful Participant |
| 49796  | HoHai University                            | China   | Chunyuan He  | В       | Successful Participant |
| 49842  | Nan Kai University                          | China   | Jun Li       | В       | Successful Participant |
| 49846  | China University of Petroleum,Beijing       | China   | Yang Gao     | В       | Successful Participant |
| 49853  | Nanjing University                          | China   | SIHUI WANG   | В       | Successful Participant |
| 49892  | Nanjing University of Posts and             | China   | Xiaona Fan   | В       | Successful Participant |
|        |   |         |              |         |                        |

| Ctrl # | Institution                       | Country | Advisor       | Problem | Designation            |
|--------|-----------------------------------|---------|---------------|---------|------------------------|
| 49897  | Xuzhou Institute of Technology    | China   | Jiang Yingzi  | В       | Successful Participant |
| 49918  | Nanjing University of Posts &     | China   | Kong Hua      | В       | Successful Participant |
| 49922  | Nanjing University of Posts &     | China   | Kong Hua      | В       | Successful Participant |
| 49925  | Nanjing University of Posts and   | China   | Qinglun Yan   | В       | Successful Participant |
| 49930  | JiangSu University of Technology  | China   | Jiandong Chen | В       | Successful Participant |
| 49938  | Nanjing University of Posts &     | China   | Kong Hua      | В       | Successful Participant |
| 49977  | Yunnan University                 | China   | Qidong Yang   | В       | Successful Participant |
| 49982  | Nanjing University of Posts &     | China   | Kong Hua      | В       | Successful Participant |
| 49984  | Nanjing University of             | China   | Jun Ye        | В       | Successful Participant |
| 49996  | Chongqing University of Posts and | China   | Xiaoqian You  | В       | Successful Participant |
| 50084  | Chongqing University of Posts and | China   | Pan Zheng     | В       | Successful Participant |
|        |                                   |         |               |         |                        |

| Ctrl # | Institution                            | Country | Advisor        | Problem | Designation            |
|--------|--|---------|----------------|---------|------------------------|
| 50098  | Nanjing University of Posts &          | China   | Zhao Hongniu   | В       | Successful Participant |
| 50125  | Chongqing University of Post and       | China   | Huiming Duan   | В       | Successful Participant |
| 50142  | North China Electric Power University  | China   | ShaoMei Yang   | В       | Successful Participant |
| 50156  | Tianjin University                     | China   | Liangfu Lu     | В       | Successful Participant |
| 50187  | Fudan University                       | China   | Yuan Cao       | В       | Successful Participant |
| 50199  | North China Electric Power University  | China   | xiaoxun Zhu    | В       | Successful Participant |
| 50215  | Southwestern University of Finance and | China   | Dai Dai        | В       | Successful Participant |
| 50222  | Southwestern University of Finance and | China   | Qingbang Zhang | В       | Successful Participant |
| 50246  | Beijing Normal University, Zhuhai      | China   | Liu Weifang    | В       | Successful Participant |
| 50270  | Shanghai High School                   | China   | Ruiqin Mi      | В       | Successful Participant |
| 50272  | Shenzhen University                    | China   | Jiqiang Feng   | В       | Successful Participant |

| Ctrl #  | Institution                                   | Country | Advisor      | Problem | Designation            |
|---------|---|---------|--------------|---------|------------------------|
| 50361 § | Shanxi University                             | China   | Ruijuan Li   | В       | Successful Participant |
| 50370 H | Henan Normal University                       | China   | Mu Xia       | В       | Successful Participant |
| 50376 E | Dalian Neusoft University of Information      | China   | Yeliang Xiao | В       | Successful Participant |
| 50382 ( | Qufu Normal University @Rizhao                | China   | Xinchun Cui  | В       | Successful Participant |
| 50388 H | Henan Normal University                       | China   | Fan Ju       | В       | Successful Participant |
| 50392 H | Henan Normal University                       | China   | Zhao Na      | В       | Successful Participant |
| 50393 H | Henan Normal University                       | China   | Fan Ju       | В       | Successful Participant |
| 50395 H | Henan Normal University                       | China   | Mu Xia       | В       | Successful Participant |
| 50399 > | Ki'an Jiaotong Liverpool University           | China   | Jingming Guo | В       | Successful Participant |
| 50403 ເ | Jniversity of Science and Technology of China | China   | Juyong Zhang | В       | Successful Participant |
| 50412 s | Southwest University of Science and           | China   | Qian Lu      | В       | Successful Participant |

| Ctrl # | Institution                                | Country | Advisor       | Problem | Designation            |
|--------|--|---------|---------------|---------|------------------------|
| 50422  | Henan Normal University                    | China   | AO Pei        | В       | Successful Participant |
| 50425  | Xi'an Jiaotong Liverpool University        | China   | Gang Liu      | В       | Successful Participant |
| 50433  | Henan Normal University                    | China   | Liu Jin       | В       | Successful Participant |
| 50448  | Henan Normal University                    | China   | Fan Haiju     | В       | Successful Participant |
| 50450  | North China University of Science and      | China   | Jincai Chang  | В       | Successful Participant |
| 50477  | BeiHang University                         | China   | LinPing Peng  | В       | Successful Participant |
| 50481  | Guilin University of Electronic Technology | China   | Rui Mao       | В       | Successful Participant |
| 50492  | Guilin University of Electronic Technology | China   | Ruwen Zhao    | В       | Successful Participant |
| 50513  | Ningbo University                          | China   | Songjing Wang | В       | Successful Participant |
| 50516  | Xi'an Jiaotong Liverpool University        | China   | Jionglong Su  | В       | Successful Participant |
| 50527  | Jinling High School                        | China   | Dandan Chen   | В       | Successful Participant |
|        |  |         |               |         |                        |

| Ctrl # | Institution                                  | Country | Advisor         | Problem | Designation            |
|--------|--|---------|-----------------|---------|------------------------|
| 50547  | Beihang University                           | China   | Xiaofan He      | В       | Successful Participant |
| 50580  | Shanxi University                            | China   | Hongyinpin Feng | В       | Successful Participant |
| 50613  | Hangzhou Normal University Qianjiang College | China   | Ai Wang         | В       | Successful Participant |
| 50623  | Huizhou University                           | China   | Xiaosheng Cheng | В       | Successful Participant |
| 50718  | Inner Mongolia University of Technology      | China   | Na Li           | В       | Successful Participant |
| 50785  | Neijiang Normal University                   | China   | Hao-Bin Liu     | В       | Successful Participant |
| 50791  | Air Force Engineering University             | China   | Yong Cai        | В       | Successful Participant |
| 50793  | Neijiang Normal University                   | China   | Hao-Bin Liu     | В       | Successful Participant |
| 50799  | Beihang University                           | China   | Hui Deng        | В       | Successful Participant |
| 50869  | Zhongnan University of Economics and Law     | China   | Guoguang Yan    | В       | Successful Participant |
| 50871  | Bei Hang University                          | China   | Bai Lin         | В       | Successful Participant |

| Ctrl # | Institution                               | Country        | Advisor          | Problem | Designation            |
|--------|---|----------------|------------------|---------|------------------------|
| 50885  | University of Cambridge                   | United Kingdom | Christopher Tout | В       | Successful Participant |
| 50888  | Hendrix College                           | USA            | Mark Goadrich    | В       | Successful Participant |
| 51013  | Tianjin Polytechnic University            | China          | Ziheng Zhang     | В       | Successful Participant |
| 51023  | Guangdong University of Finance           | China          | Xuegang Zhou     | В       | Successful Participant |
| 51030  | Yunnan University                         | China          | Yue Zhao         | В       | Successful Participant |
| 51096  | Shandong university                       | China          | Baodong Liu      | В       | Successful Participant |
| 51112  | Dalian Ocean University                   | China          | Zhang Lifeng     | В       | Successful Participant |
| 51144  | China Jiliang University                  | China          | Cheng Wang       | В       | Successful Participant |
| 51161  | Guangxi University                        | China          | Li Ning          | В       | Successful Participant |
| 51194  | Guangdong University of Finance Economics | China          | Yushan Zhang     | В       | Successful Participant |
| 51215  | Guangdong University of Finance Economics | China          | Yushan Zhang     | В       | Successful Participant |
|        |   |                |                  |         |                        |

| Ctrl # | Institution                                   | Country | Advisor       | Problem | Designation            |
|--------|---|---------|---------------|---------|------------------------|
| 51222  | Guangdong University of Finance Economics     | China   | Hui Huang     | В       | Successful Participant |
| 51275  | Beihang University                            | China   | Wei Yang      | В       | Successful Participant |
| 51291  | Henan University of Engineering               | China   | Kai Liu       | В       | Successful Participant |
| 51296  | Henan University of Engineering               | China   | Kai Liu       | В       | Successful Participant |
| 51301  | Beijing University of Posts and               | China   | DuanLing Li   | В       | Successful Participant |
| 51332  | NANKAI UNIVERSITY                             | China   | ZHAOJUN WANG  | В       | Successful Participant |
| 51338  | Shanghai Jiao Tong University                 | China   | Xiaomn Wang   | В       | Successful Participant |
| 51346  | North China Electric Power University Science | China   | Shi Jinwei    | В       | Successful Participant |
| 51351  | North China Electric Power University Science | China   | Shi Jinwei    | В       | Successful Participant |
| 51358  | Beihang University                            | China   | Binghui Guo   | В       | Successful Participant |
| 51366  | Guangdong University of Finance Economics     | China   | Guanghui Chen | В       | Successful Participant |
|        |   |         |               |         |                        |

| Ctrl # | e Institution                             | Country | Advisor       | Problem | Designation            |
|--------|---|---------|---------------|---------|------------------------|
| 51368  | Guangdong University of Finance Economics | China   | Guanghui Chen | В       | Successful Participant |
| 51383  | Guangdong University of Finance Economics | China   | Jianchao Chen | В       | Successful Participant |
| 51392  | Guangdong University of Finance Economics | China   | Yushan Zhang  | В       | Successful Participant |
| 51408  | Jinling Institute of Technology           | China   | Jiao Lianzu   | В       | Successful Participant |
| 51423  | Sun Yat-sen University                    | China   | Jiangtao Ren  | В       | Successful Participant |
| 51438  | Beihang University                        | China   | Fei Tao       | В       | Successful Participant |
| 51441  | Academy of Armored Force Engineering      | China   | Jian Du       | В       | Successful Participant |
| 51451  | Academy of Armored Force Engineering      | China   | Ling Zhang    | В       | Successful Participant |
| 51457  | Academy of Armored Force Engineering      | China   | Suyun Wang    | В       | Successful Participant |
| 51460  | Academy of Armored Force Engineering      | China   | Suwen Zheng   | В       | Successful Participant |
| 51462  | South China Normal University             | China   | Taishan Zeng  | В       | Successful Participant |
|        |   |         |               |         |                        |

| Ctrl # | Institution                          | Country | Advisor       | Problem | Designation            |
|--------|--------------------------------------|---------|---------------|---------|------------------------|
| 51464  | Academy of Armored Force Engineering | China   | Suwen Zheng   | В       | Successful Participant |
| 51466  | Tsinghua University                  | China   | Zhenbo Wang   | В       | Successful Participant |
| 51492  | Dalian University                    | China   | Liu Zixin     | В       | Successful Participant |
| 51493  | Dalian University                    | China   | Liu Zixin     | В       | Successful Participant |
| 51541  | Southeast University                 | China   | Enshui Chen   | В       | Successful Participant |
| 51542  | Ningbo University                    | China   | Yunqing Xu    | В       | Successful Participant |
| 51546  | Naval University of Engineering      | China   | Yuan Haojie   | В       | Successful Participant |
| 51547  | Beihang University                   | China   | Hongyi Li     | В       | Successful Participant |
| 51548  | Dalian Minzu University              | China   | Xiufeng Zhang | В       | Successful Participant |
| 51571  | North University of China            | China   | Hou Qiang     | В       | Successful Participant |
| 51577  | Wuhan University                     | China   | Deng Aijiao   | В       | Successful Participant |

| Ctrl # | Institution                                   | Country | Advisor       | Problem | Designation            |
|--------|---|---------|---------------|---------|------------------------|
| 51581  | Zhejiang University                           | China   | Jian Chen     | В       | Successful Participant |
| 51587  | Guangdong University of Finance Economics     | China   | Zhanyong Zou  | В       | Successful Participant |
| 51590  | University of Science and Technology of China | China   | Bailin Song   | В       | Successful Participant |
| 51591  | Guangdong University of Finance Economics     | China   | Jianchao Chen | В       | Successful Participant |
| 51606  | North University of China                     | China   | Xue Yakui     | В       | Successful Participant |
| 51614  | Naval University of Engineering               | China   | Sun Huiling   | В       | Successful Participant |
| 51618  | Air Force Engineering University              | China   | Yali Wang     | В       | Successful Participant |
| 51646  | Dalian Polytechnic University                 | China   | Shujie Zang   | В       | Successful Participant |
| 51731  | Nanchang Institute of Technology              | China   | Huan ZHAO     | В       | Successful Participant |
| 51734  | ShanDong University                           | China   | BaoDong Liu   | В       | Successful Participant |
| 51743  | Tianjin University                            | China   | Yong Wang     | В       | Successful Participant |
|        |   |         |               |         |                        |

| Ctrl # | Institution                           | Country | Advisor        | Problem | Designation            |
|--------|---------------------------------------|---------|----------------|---------|------------------------|
| 51756  | University of Electronic Science and  | China   | Guanghui Cheng | В       | Successful Participant |
| 51766  | Zhejiang University                   | China   | Peizheng Yuan  | В       | Successful Participant |
| 51779  | University of Electronic Science and  | China   | Liang Li       | В       | Successful Participant |
| 51836  | Beihang University                    | China   | Binghui Guo    | В       | Successful Participant |
| 51850  | Tianjin Normal University             | China   | Liancui Zuo    | В       | Successful Participant |
| 51853  | Southeast University                  | China   | Yi Tang        | В       | Successful Participant |
| 51889  | China University of Petroleum-Beijing | China   | Yang Gao       | В       | Successful Participant |
| 51890  | SICHUAN UNIVERSITY                    | China   | Hu Die         | В       | Successful Participant |
| 51928  | Nanjing University                    | China   | XueJun Guo     | В       | Successful Participant |
| 51975  | Jiang Xi Normal University            | China   | Yi Sheng       | В       | Successful Participant |
| 52008  | Shandong University of Science and    | China   | Desen Kong     | В       | Successful Participant |
|        |                                       |         |                |         |                        |

| Ctrl # | Institution                                   | Country   | Advisor       | Problem | Designation            |
|--------|---|-----------|---------------|---------|------------------------|
| 52009  | Institut Teknologi Bandung                    | Indonesia | Edy Soewono   | В       | Successful Participant |
| 52012  | Shandong University of Science and            | China     | Desen Kong    | В       | Successful Participant |
| 52018  | Shandong University of Science and            | China     | Desen Kong    | В       | Successful Participant |
| 52022  | South China Normal University                 | China     | Xiangru Li    | В       | Successful Participant |
| 52025  | Zhejiang university                           | China     | Wei Chen      | В       | Successful Participant |
| 52042  | North University of China                     | China     | Lu Ping       | В       | Successful Participant |
| 52058  | North University of China                     | China     | Wang Peng     | В       | Successful Participant |
| 52065  | North University of China                     | China     | Li Youwen     | В       | Successful Participant |
| 52072  | Saint Louis University                        | USA       | Brody Johnson | В       | Successful Participant |
| 52074  | North University of China                     | China     | Li Youwen     | В       | Successful Participant |
| 52082  | University of Science and Technology of China | China     | Tianyu Li     | В       | Successful Participant |
|        |   |           |               |         |                        |

| Ctrl # | Institution                           | Country | Advisor     | Problem | Designation            |
|--------|---------------------------------------|---------|-------------|---------|------------------------|
| 52098  | Tsinghua University                   | China   | Zhenbo Wang | В       | Successful Participant |
| 52107  | China University of Petroleum-Beijing | China   | Yang Gao    | В       | Successful Participant |
| 52111  | University of International Relations | China   | Biao Wang   | В       | Successful Participant |
| 52112  | University of International Relations | China   | Biao Wang   | В       | Successful Participant |
| 52118  | University of International Relations | China   | Ding Wang   | В       | Successful Participant |
| 52132  | University of International Relations | China   | Ping Wang   | В       | Successful Participant |
| 52133  | Beijing Union University              | China   | Zuxing Xuan | В       | Successful Participant |
| 52150  | Nanjing Tech University               | China   | Hao Liu     | В       | Successful Participant |
| 52158  | Nanjing Tech university               | China   | Guoqing Liu | В       | Successful Participant |
| 52161  | Yancheng Teachers University          | China   | Hao Yang    | В       | Successful Participant |
| 52168  | Nanjing Tech University               | China   | Wushen Chen | В       | Successful Participant |
|        |                                       |         |             |         |                        |

| Ctrl # | Institution                                 | Country | Advisor        | Problem | Designation            |
|--------|---|---------|----------------|---------|------------------------|
| 52214  | Hangzhou Normal University                  | China   | Yuexia Huang   | В       | Successful Participant |
| 52227  | dongbei university of finance and economics | China   | Dongxu Wang    | В       | Successful Participant |
| 52235  | Wuhan University                            | China   | Aijiao Deng    | В       | Successful Participant |
| 52253  | Southwest University                        | China   | Hongping Cao   | В       | Successful Participant |
| 52273  | Hangzhou Normal University                  | China   | Jiazhi Pan     | В       | Successful Participant |
| 52279  | Hangzhou Normal University                  | China   | Yingyu He      | В       | Successful Participant |
| 52289  | Jinan University Zhuhai Campus              | China   | Yuanbiao Zhang | В       | Successful Participant |
| 52296  | Ocean University of China                   | China   | Shengshan Cao  | В       | Successful Participant |
| 52310  | North University of China                   | China   | Xiao Yafeng    | В       | Successful Participant |
| 52314  | Henan Normal University                     | China   | Jin Zhang      | В       | Successful Participant |
| 52319  | Henan Normal University                     | China   | Jin zhang      | В       | Successful Participant |
|        |   |         |                |         |                        |

| Ctrl # | Institution                   | Country | Advisor        | Problem | Designation            |
|--------|-------------------------------|---------|----------------|---------|------------------------|
| 52325  | Henan Normal University       | China   | Jin Zhang      | В       | Successful Participant |
| 52328  | Henan Normal University       | China   | Jin Zhang      | В       | Successful Participant |
| 52331  | Henan Normal University       | China   | Jin Zhang      | В       | Successful Participant |
| 52361  | Hangzhou Normal University    | China   | Danfu Han      | В       | Successful Participant |
| 52399  | Shaoguan University           | China   | Zhuang Jian    | В       | Successful Participant |
| 52402  | Shaoguan University           | China   | Ping Jian      | В       | Successful Participant |
| 52407  | Shaoguan University           | China   | Jiu Zheng      | В       | Successful Participant |
| 52412  | South China Normal University | China   | Shaohui Zhang  | В       | Successful Participant |
| 52420  | Nanchang University           | China   | Chen Tao       | В       | Successful Participant |
| 52421  | Wuhan University              | China   | Yuanming Hu    | В       | Successful Participant |
| 52422  | Wuhan University              | China   | Xiaobing Xiong | В       | Successful Participant |
|        |                               |         |                |         |                        |

| Ctrl # | Institution                   | Country       | Advisor           | Problem | Designation            |
|--------|-------------------------------|---------------|-------------------|---------|------------------------|
| 52427  | Sichuan University            | China         | Chaolang Hu       | В       | Successful Participant |
| 52441  | The University of Hong Kong   | Hong Kong SAR | Kwok Lam          | В       | Successful Participant |
| 52458  | Nanchang University           | China         | Chen Chunfang     | В       | Successful Participant |
| 52482  | Nanchang University           | China         | Luo Qingyu        | В       | Successful Participant |
| 52509  | Wuhan University              | China         | Xinqi Hu          | В       | Successful Participant |
| 52510  | Universitas Pelita Harapan    | Indonesia     | Helena Margaretha | ı B     | Successful Participant |
| 52525  | Nanchang University           | China         | Ruan Xiaojun      | В       | Successful Participant |
| 52528  | Northeast Forestry University | China         | Rui Zang          | В       | Successful Participant |
| 52537  | Northeast Forestry University | China         | Rui Zang          | В       | Successful Participant |
| 52538  | Beihang University            | China         | Wei Feng          | В       | Successful Participant |
| 52546  | Lanzhou Jiaotong University   | China         | Ning Zhou         | В       | Successful Participant |
|        |                               |               |                   |         |                        |

| Designation  | Problem               | Advisor   | Country   | Institution  | Ctrl #  |
|--|-----------------------|---|---|--|---|
| Successful Participant   | В                     | JING ZHU  | China   | University Of Science Technology Beijing   | 52551   |
| Successful Participant   | В                     | Zhuangchu Luo   | China   | Wuhan University   | 52556   |
| Successful Participant   | В                     | Baodong LIU   | China   | Shandong university  | 52624   |
| Successful Participant   | В                     | Biao Wu   | China   | Zhejiang University  | 52627   |
| Successful Participant   | В                     | Xinqi Hu  | China   | Wuhan University   | 52636   |
| Successful Participant   | В                     | Yuqing Huang  | China   | Southwest University of Science and  | 52646   |
| Successful Participant   | В                     | Qianqian Chen   | China   | Zhejiang University  | 52647   |
| Successful Participant   | В                     | Binghui Guo   | China   | Beihang University   | 52654   |
| Successful Participant   | В                     | Yuanming Hu   | China   | Wuhan University   | 52663   |
| Successful Participant   | В                     | Yujie Yan   | China   | Zhejiang University  | 52672   |
| Successful Participant   | В                     | Chaoyu He   | China   | Zhejiang University  | 52699   |
| <br>Successful Participant Successful Participant Successful Participant Successful Participant Successful Participant Successful Participant Successful Participant | B<br>B<br>B<br>B<br>B | Biao Wu<br>Xinqi Hu<br>Yuqing Huang<br>Qianqian Chen<br>Binghui Guo<br>Yuanming Hu<br>Yujie Yan | China<br>China<br>China<br>China<br>China<br>China<br>China | Zhejiang University Wuhan University Southwest University of Science and Zhejiang University Beihang University Wuhan University Zhejiang University | 52627 2<br>52636 2<br>52646 2<br>52647 2<br>52654 1<br>52663 2<br>52672 2 |

| Ctrl # | Institution                         | Country | Advisor          | Problem | Designation            |
|--------|-------------------------------------|---------|------------------|---------|------------------------|
| 52730  | Sichuan University                  | China   | Lamei He         | В       | Successful Participant |
| 52745  | Shandong University                 | China   | Baodong LIU      | В       | Successful Participant |
| 52753  | Morningside College                 | USA     | Tessa Weinstein  | В       | Successful Participant |
| 52767  | Beijing University of Technology    | China   | Shiyin Yang      | В       | Successful Participant |
| 52813  | Virginia Tech                       | USA     | Lizette Zietsman | В       | Successful Participant |
| 52819  | Duquesne University                 | USA     | Anna Haensch     | В       | Successful Participant |
| 52836  | Kenyon College                      | USA     | Elin Farnell     | В       | Successful Participant |
| 52838  | University of San Diego             | USA     | Diane Hoffoss    | В       | Successful Participant |
| 52844  | University of San Diego             | USA     | Diane Hoffoss    | В       | Successful Participant |
| 52874  | BeiHang University                  | China   | Wei Ji           | В       | Successful Participant |
| 52887  | Zhejiang Chinese Medical University | China   | Weifeng Jin      | В       | Successful Participant |

| Ctrl # | Institution                         | Country | Advisor      | Problem | Designation            |
|--------|-------------------------------------|---------|--------------|---------|------------------------|
| 52890  | Zhejiang Chinese Medical University | China   | Xiaohong Li  | В       | Successful Participant |
| 52891  | Zhejiang Chinese Medical University | China   | Xiaohong Li  | В       | Successful Participant |
| 52956  | Nanchang University                 | China   | Cai Yong     | В       | Successful Participant |
| 52960  | Yunnan University                   | China   | Qidong Yang  | В       | Successful Participant |
| 52961  | Nanchang University                 | China   | Tang Yuchao  | В       | Successful Participant |
| 52962  | Beihang University                  | China   | Yang Li      | В       | Successful Participant |
| 52979  | Zhejiang University                 | China   | Qingbiao Wu  | В       | Successful Participant |
| 52985  | Southwest University                | China   | Lei Deng     | В       | Successful Participant |
| 52986  | Zhejiang University                 | China   | Jianxin Zhu  | В       | Successful Participant |
| 52990  | Southwest University                | China   | Lei Deng     | В       | Successful Participant |
| 53001  | Shanghai Jiao Tong University       | China   | Xiaofeng Gao | В       | Successful Participant |

| Ctrl # | Institution                                   | Country | Advisor       | Problem | Designation            |
|--------|---|---------|---------------|---------|------------------------|
| 53014  | Beihang University                            | China   | Binghui Guo   | В       | Successful Participant |
| 53031  | Zhejiang Gongshang University                 | China   | Junfeng Lu    | В       | Successful Participant |
| 53038  | Southwest University                          | China   | Lei Deng      | В       | Successful Participant |
| 53041  | Chongqing University of Science and           | China   | Yi Yang       | В       | Successful Participant |
| 53043  | Wuhan University                              | China   | Weicang Wang  | В       | Successful Participant |
| 53052  | Civil Aviation University of China            | China   | Jun Zhang     | В       | Successful Participant |
| 53058  | Southwest University                          | China   | Jianjun Yuan  | В       | Successful Participant |
| 53065  | Shandong University of Finance and            | China   | Yunfeng Zhang | В       | Successful Participant |
| 53088  | University of Science and Technology of China | China   | HAOYU LI      | В       | Successful Participant |
| 53097  | An Hui Xin Hua University                     | China   | JIABAO LIU    | В       | Successful Participant |
| 53113  | University of Science and Technology of China | China   | HAOYU LI      | В       | Successful Participant |
|        |   |         |               |         |                        |

| Ctrl # | Institution                                   | Country   | Advisor           | Problem | Designation            |
|--------|---|-----------|-------------------|---------|------------------------|
| 53134  | North China University of Water Resources and | China     | Hongwei Yue       | В       | Successful Participant |
| 53140  | ECNU  | China     | yang yang         | В       | Successful Participant |
| 53148  | Universitas Pelita Harapan                    | Indonesia | Helena Margaretha | В       | Successful Participant |
| 53167  | Beijing Institute of Technology,Zhuhai        | China     | Ping Zhang        | В       | Successful Participant |
| 53202  | Hunan University                              | China     | Huahui Yan        | В       | Successful Participant |
| 53205  | Soochow University                            | China     | Hong Chen         | В       | Successful Participant |
| 53206  | Beijing University of Posts and               | China     | DuanLing Li       | В       | Successful Participant |
| 53224  | Hainan University                             | China     | Yulai Wu          | В       | Successful Participant |
| 53226  | Henan Institute of Science and Technology     | China     | Hongwei Jiao      | В       | Successful Participant |
| 53229  | Hunan University                              | China     | Han Luo           | В       | Successful Participant |
| 53236  | Henan Institute of Science and Technology     | China     | Hongwei Jiao      | В       | Successful Participant |

| Ctrl # | Institution                                    | Country | Advisor      | Problem | Designation            |
|--------|--|---------|--------------|---------|------------------------|
| 53248  | Yichun University                              | China   | Lianwu YANG  | В       | Successful Participant |
| 53262  | Yichun University                              | China   | Xiaozhong XI | В       | Successful Participant |
| 53268  | Yichun University                              | China   | Hui ZHOU     | В       | Successful Participant |
| 53272  | Yichun University                              | China   | Li YU        | В       | Successful Participant |
| 53304  | Zhejiang University                            | China   | Rongqi Li    | В       | Successful Participant |
| 53317  | Computer science and technology                | China   | SanXing Wu   | В       | Successful Participant |
| 53331  | Sichuan University                             | China   | Hao Wang     | В       | Successful Participant |
| 53344  | Inner Mongolia University For The Nationlities | China   | Dandan Yang  | В       | Successful Participant |
| 53363  | Beijing Normal University, Zhuhai              | China   | Liu Weifang  | В       | Successful Participant |
| 53391  | dezhou university                              | China   | Jinchan Wang | В       | Successful Participant |
| 53402  | Yunnan Normal University                       | China   | Baoyun Wang  | В       | Successful Participant |
|        |  |         |              |         |                        |

| Ctrl # | Institution                        | Country | Advisor            | Problem | Designation            |
|--------|------------------------------------|---------|--------------------|---------|------------------------|
| 53423  | Beihang University                 | China   | Binghui Guo        | В       | Successful Participant |
| 53439  | Beihang University                 | China   | Binghui Guo        | В       | Successful Participant |
| 53454  | Beihang University                 | China   | Jinliang Wang      | В       | Successful Participant |
| 53461  | University of Wisconsin Milwaukee  | USA     | Gabriella Pinter   | В       | Successful Participant |
| 53462  | University of Wisconsin Milwaukee  | USA     | Gabriella Pinter   | В       | Successful Participant |
| 53463  | Virginia Western Community College | USA     | Steve Hammer       | В       | Successful Participant |
| 53474  | Siena Heights University           | USA     | Jeffrey Kallenbach | В       | Successful Participant |
| 53476  | Mount St. Mary's University        | USA     | Brian Heinold      | В       | Successful Participant |
| 53490  | Olin College                       | USA     | Aaron Hoffman      | В       | Successful Participant |
| 53495  | United States Military Academy     | USA     | Keith DeGregory    | В       | Successful Participant |
| 53518  | Winthrop University                | USA     | Zachary Abernathy  | В       | Successful Participant |

| Ctrl # | Institution                           | Country | Advisor           | Problem | Designation            |
|--------|---------------------------------------|---------|-------------------|---------|------------------------|
| 53525  | Sam Houston State University          | USA     | Edward Swim       | В       | Successful Participant |
| 53529  | Austin Peay State University          | USA     | Ramanjit Sahi     | В       | Successful Participant |
| 53536  | Dalian University                     | China   | Liu Guangzhi      | В       | Successful Participant |
| 53546  | University of Wisconsin-Madison       | USA     | Saverio Spagnolie | В       | Successful Participant |
| 53549  | University of Pennsylvania            | USA     | Dennis DeTurck    | В       | Successful Participant |
| 53551  | Youngstown State University           | USA     | Paddy Taylor      | В       | Successful Participant |
| 53552  | Wuhan University                      | China   | Changhong Deng    | В       | Successful Participant |
| 53555  | Youngstown State University           | USA     | Paddy Taylor      | В       | Successful Participant |
| 53556  | North China University of Science and | China   | Yamian Peng       | В       | Successful Participant |
| 53557  | Youngstown State University           | USA     | Paddy Taylor      | В       | Successful Participant |
| 53558  | North China University of Science and | China   | Feng Lichao       | В       | Successful Participant |
|        |                                       |         |                   |         |                        |

| Ctrl # | Institution                           | Country | Advisor       | Problem | Designation            |
|--------|---------------------------------------|---------|---------------|---------|------------------------|
| 53559  | Nanjing University of Aeronautics and | China   | Zitian Li     | В       | Successful Participant |
| 53561  | North China University of Science and | China   | Feng Lichao   | В       | Successful Participant |
| 53562  | Youngstown State University           | USA     | Paddy Taylor  | В       | Successful Participant |
| 53564  | North China University of Science and | China   | Dianxuan Gong | В       | Successful Participant |
| 53573  | North China University of Science and | China   | Liping Du     | В       | Successful Participant |
| 53577  | Tianjin University                    | China   | Yong Wang     | В       | Successful Participant |
| 53578  | North China University of Science and | China   | Yan Yan       | В       | Successful Participant |
| 53584  | North China University of Science and | China   | Yanmei Yang   | В       | Successful Participant |
| 53597  | China University of Petroleum-Beijing | China   | Ling Zhao     | В       | Successful Participant |
| 53604  | Tianjin University                    | China   | YUMEI HU      | В       | Successful Participant |
| 53607  | North China University of Science and | China   | Xiaoqiang Guo | В       | Successful Participant |
|        |                                       |         |               |         |                        |

| Ctrl # | Institution                                  | Country | Advisor       | Problem | Designation            |
|--------|--|---------|---------------|---------|------------------------|
| 53628  | Harbin University of Science and Technology  | China   | Dongmei Li    | В       | Successful Participant |
| 53632  | Harbin University of Science and Technology  | China   | Dongmei Li    | В       | Successful Participant |
| 53637  | China Agricultural University                | China   | Hui Zou       | В       | Successful Participant |
| 53651  | China Agricultural University                | China   | Yuanchang Shi | В       | Successful Participant |
| 53654  | China Agricultural University                | China   | Mingyun Tang  | В       | Successful Participant |
| 53655  | Beihang University                           | China   | Jiaxin Yang   | В       | Successful Participant |
| 53671  | North China University of Science and        | China   | Junna Jiang   | В       | Successful Participant |
| 53684  | Huaqiao University                           | China   | Jianxin Huang | В       | Successful Participant |
| 53696  | Wuhan University                             | China   | Aijiao Deng   | В       | Successful Participant |
| 53703  | Shanghai University of Finance and Economics | China   | TAK-YUEN WONG | В       | Successful Participant |
| 53717  | Nankai University                            | China   | Feng Xue      | В       | Successful Participant |
|        |  |         |               |         |                        |

| Ctrl # | Institution                                   | Country | Advisor        | Problem | Designation            |
|--------|---|---------|----------------|---------|------------------------|
| 53718  | Henan Normal University                       | China   | Chaochao Qin   | В       | Successful Participant |
| 53721  | China Agricultural University                 | China   | Hui Zou        | В       | Successful Participant |
| 53731  | China Agricultural University                 | China   | Guohui Li      | В       | Successful Participant |
| 53735  | Chongqing University of Technology            | China   | Jianmin Zhong  | В       | Successful Participant |
| 53738  | Chongqing University of Technology            | China   | Xiaoyang Zheng | В       | Successful Participant |
| 53740  | Wuhan University of Technology                | China   | Jianye Chen    | В       | Successful Participant |
| 53747  | School of Architecture and Civil Engineering, | China   | Jing Chen      | В       | Successful Participant |
| 53755  | BEIHANG UNIVERSITY                            | China   | Haibin Duan    | В       | Successful Participant |
| 53766  | Fujian University of Technology               | China   | Xiaowen Tang   | В       | Successful Participant |
| 53793  | Shanghai Normal University                    | China   | Zhang Xiaobo   | В       | Successful Participant |
| 53800  | Zhejiang Gongshang University                 | China   | Yang Xiaorong  | В       | Successful Participant |

| Ctrl # | Institution                             | Country | Advisor         | Problem | Designation            |
|--------|---|---------|-----------------|---------|------------------------|
| 53801  | Shanghai Normal University              | China   | Jiang Zhongyong | В       | Successful Participant |
| 53809  | Shanxi University                       | China   | Zhaohong Niu    | В       | Successful Participant |
| 53821  | Zhejiang University                     | China   | Yingke Xu       | В       | Successful Participant |
| 53823  | Shanghai Normal University              | China   | zheng Xiaoqi    | В       | Successful Participant |
| 53828  | Shanghai Normal University              | China   | Li Shunbao      | В       | Successful Participant |
| 53835  | Shanghai Normal University              | China   | Yan Lijun       | В       | Successful Participant |
| 53841  | China University of Petroleum-Beijing   | China   | Xiaoguang Lu    | В       | Successful Participant |
| 53861  | Beihang University                      | China   | Rujin Zhu       | В       | Successful Participant |
| 53885  | Rongcheng College, Harbin University of | China   | Hongyan Zheng   | В       | Successful Participant |
| 53901  | SHANDONG POLICE COLLEGE                 | China   | HUAIHUI LIU     | В       | Successful Participant |
| 53908  | Rongcheng College, Harbin University of | China   | Yanpeng Wang    | В       | Successful Participant |

| Ctrl # | Institution                            | Country | Advisor      | Problem | Designation            |
|--------|--|---------|--------------|---------|------------------------|
| 53945  | Fujian Normal University               | China   | Qinghua Chen | В       | Successful Participant |
| 53974  | School of Mathematical Science, Peking | China   | Yufeng Zhao  | В       | Successful Participant |
| 54009  | Beihang University                     | China   | Linping Peng | В       | Successful Participant |
| 54035  | Central China Normal University        | China   | Bo Li        | В       | Successful Participant |
| 54041  | Tsinghua University                    | China   | Heng Liang   | В       | Successful Participant |
| 54060  | Chongqing University of Science and    | China   | Hengjie Chen | В       | Successful Participant |
| 54072  | Chongqing University of Science and    | China   | Hengjie Chen | В       | Successful Participant |
| 54074  | Xiamen University                      | China   | Zhong Tan    | В       | Successful Participant |
| 54108  | PLA Information Engineering University | China   | Wei Wang     | В       | Successful Participant |
| 54110  | Appalachian State University           | USA     | Rene Salinas | В       | Successful Participant |
| 54151  | The University of Michigan-Dearborn    | USA     | Joan Remski  | В       | Successful Participant |
|        |  |         |              |         |                        |

| Ctrl # | Institution                         | Country | Advisor           | Problem | Designation            |
|--------|-------------------------------------|---------|-------------------|---------|------------------------|
| 54182  | Nanjing Forestry University         | China   | Jianzhu Sun       | В       | Successful Participant |
| 54185  | Northeast Agricultural University   | China   | Haidong Yin       | В       | Successful Participant |
| 54198  | Northwest Missouri State University | USA     | Mary Shepherd     | В       | Successful Participant |
| 54200  | Nanjing Forestry University         | China   | Jianzhu Sun       | В       | Successful Participant |
| 54231  | Northeast Agricultural University   | China   | Hualing Deng      | В       | Successful Participant |
| 54245  | Virginia Military Institute         | USA     | Amy Givler        | В       | Successful Participant |
| 54250  | Virginia Military Institute         | USA     | Amy Givler        | В       | Successful Participant |
| 54256  | Carroll College                     | USA     | Kelly Cline       | В       | Successful Participant |
| 54257  | Carroll College                     | USA     | Kelly Cline       | В       | Successful Participant |
| 54267  | Jacksonville University             | USA     | Han Duong         | В       | Successful Participant |
| 54277  | Shippensburg University             | USA     | Benjamin Galluzzo | В       | Successful Participant |

| Ctrl # | Institution                      | Country | Advisor         | Problem | Designation            |
|--------|----------------------------------|---------|-----------------|---------|------------------------|
| 54283  | Emory University                 | USA     | Lars Ruthotto   | В       | Successful Participant |
| 54284  | Simpson College                  | USA     | Murphy Waggoner | В       | Successful Participant |
| 54290  | Simpson College                  | USA     | Murphy Waggoner | В       | Successful Participant |
| 54318  | Simpson College                  | USA     | Murphy Waggoner | В       | Successful Participant |
| 54324  | Texas A&M University             | USA     | Alan Demlow     | В       | Successful Participant |
| 54333  | The University of Dallas         | USA     | John Osoinach   | В       | Successful Participant |
| 54338  | Air Force Engineering University | China   | Yan Long        | В       | Successful Participant |
| 54340  | Air Force Engineering University | China   | Yan Long        | В       | Successful Participant |
| 54349  | Air Force Engineering University | China   | Liu Rong        | В       | Successful Participant |
| 54363  | Air Force Engineering University | China   | Li Lin          | В       | Successful Participant |
| 54366  | Air Force Engineering University | China   | Liang Fangchi   | В       | Successful Participant |
|        |                                  |         |                 |         |                        |

| Ctrl # | Institution                          | Country | Advisor          | Problem | Designation            |
|--------|--------------------------------------|---------|------------------|---------|------------------------|
| 54403  | Air Force Engineering University     | China   | Lu Zhen          | В       | Successful Participant |
| 54404  | Shandong University                  | China   | Baodong Liu      | В       | Successful Participant |
| 54407  | South China University of Technology | China   | Ping Huang       | В       | Successful Participant |
| 54412  | Beihua University                    | China   | Yiyun Liu        | В       | Successful Participant |
| 54416  | South China University of Technology | China   | Qing Liu         | В       | Successful Participant |
| 54439  | Beihang University                   | China   | Ni Li            | В       | Successful Participant |
| 54455  | Shandong University of Technology    | China   | Yanping Zhang    | В       | Successful Participant |
| 54456  | Mount Holyoke College                | USA     | Dylan Shepardson | в       | Successful Participant |
| 54462  | South China University of Technology | China   | Xiaolan Liu      | В       | Successful Participant |
| 54472  | South China University of Technology | China   | Yongan Qin       | В       | Successful Participant |
| 54475  | South China University of Technology | China   | Qing Liu         | В       | Successful Participant |
|        |                                      |         |                  |         |                        |

| Ctrl # | Institution                         | Country | Advisor        | Problem | Designation            |
|--------|-------------------------------------|---------|----------------|---------|------------------------|
| 54496  | Shandong University of Technology   | China   | Xuanjiang Liu  | В       | Successful Participant |
| 54503  | Chongqing University of Science and | China   | Hongke Wang    | В       | Successful Participant |
| 54506  | Shandong University of Technology   | China   | Xuanjiang Liu  | В       | Successful Participant |
| 54537  | Shandong University of Technology   | China   | Zhenying Liang | В       | Successful Participant |
| 54541  | Nanjing Agricultural University     | China   | Xingang Jia    | В       | Successful Participant |
| 54547  | ShanDong University ot Technology   | China   | Xiugang Gong   | В       | Successful Participant |
| 54559  | ShanDong University ot Technology   | China   | Xiugang Gong   | В       | Successful Participant |
| 54568  | ShanDong University of Technology   | China   | Lili Pan       | В       | Successful Participant |
| 54619  | Lanzhou JiaoTong University         | China   | Jian Liu       | В       | Successful Participant |
| 54635  | University of Jinan                 | China   | Honghua Wu     | В       | Successful Participant |
| 54640  | Tsinghua University                 | China   | Zhenbo Wang    | В       | Successful Participant |
| 54640  | Tsinghua University                 | China   | Zhenbo Wang    | В       | Successful Participant |

| Ctrl #                           | Institution   | Country                          | Advisor   | Problem          | Designation   |
|----------------------------------|---|----------------------------------|---|------------------|---|
| 54644                            | University of Jinan   | China                            | Zhenyu Xu   | В                | Successful Participant  |
| 54645                            | Nanjing Normal University   | China                            | Qiong Wang  | В                | Successful Participant  |
| 54707                            | South China University of Technology  | China                            | Weijian Ding                                      | В                | Successful Participant  |
| 54731                            | Kwangwoon University  | South Korea                      | Jinwoo Lee  | В                | Successful Participant  |
| 54744                            | Academy of Armored Force Engineering  | China                            | Guiling Ju  | В                | Successful Participant  |
| 54745                            | Academy of Armored Force Engineering  | China                            | Guiling Ju  | В                | Successful Participant  |
| 54746                            | Academy of Armored Force Engineering  | China                            | Guiling Ju  | В                | Successful Participant  |
| 54750                            | East China Normal University  | China                            | Zhonghao Xu                                       | В                | Successful Participant  |
| 54757                            | Shandong University   | China                            | Wei Wei   | В                | Successful Participant  |
| 54761                            | Academy of Armored Force Engineering  | China                            | Ping Chen   | В                | Successful Participant  |
| 54762                            | Academy of Armored Force Engineering  | China                            | Cuixiang Liu                                      | В                | Successful Participant  |
| 54746<br>54750<br>54757<br>54761 | Academy of Armored Force Engineering<br>East China Normal University<br>Shandong University<br>Academy of Armored Force Engineering | China<br>China<br>China<br>China | Guiling Ju<br>Zhonghao Xu<br>Wei Wei<br>Ping Chen | B<br>B<br>B<br>B | Successful Participant Successful Participant Successful Participant Successful Participant |

| Ctrl # | Institution                             | Country | Advisor          | Problem | Designation            |
|--------|---|---------|------------------|---------|------------------------|
| 54767  | Academy of Armored Force Engineering    | China   | De Han           | в       | Successful Participant |
| 54771  | Emory University                        | USA     | Lars Ruthotto    | В       | Successful Participant |
| 54790  | Shenzhen Foreign Languages School       | China   | DAN LI           | В       | Successful Participant |
| 54800  | TianjinUniversity                       | China   | Yi Xia           | В       | Successful Participant |
| 54807  | University of Texas at San Antonio      | USA     | Yufang Jin       | В       | Successful Participant |
| 54813  | Salisbury University                    | USA     | Robert Tardiff   | В       | Successful Participant |
| 54814  | Montana State University                | USA     | Christina Hayes  | В       | Successful Participant |
| 54816  | University of Nebraska-Lincoln          | USA     | Daniel Toundykov | В       | Successful Participant |
| 54826  | Clemson University                      | USA     | Matthew Macauley | В       | Successful Participant |
| 54831  | University of Minnesota Duluth          | USA     | John Greene      | В       | Successful Participant |
| 52078  | China University of Geosciences,Beijing | China   | Huang dong       | В       | Unsuccessful           |

| Ctrl #            | Institution   | Country | Advisor | Problem | Designation  |  |
|-------------------|---------------|---------|---------|---------|--------------|--|
| 54719 Wenzhou-kea | an University | China   | Peng Ti | В       | Unsuccessful |  |