2008 Mathematical Contest in Modeling Press Release—April 11, 2008

COMAP is pleased to announce the results of the 24th annual Mathematical Contest in Modeling (MCM). This year, 1162 teams representing institutions from fourteen countries participated in the contest. Nine teams from the following eight institutions were designated as OUTSTANDING WINNERS:

Duke University, Durham, NC
Harvard University, Cambridge, MA
Harvey Mudd College, Claremont, CA (2 Teams)
The College of Idaho, Caldwell, ID
Youngstown State University, Youngstown, OH
University at Buffalo, Buffalo, NY
University of Alaska Fairbanks, Fairbanks, AK
University of Delaware, Newark, DE

This year's contest ran from Thursday, February 14 to Monday, February 18, 2008. During that time, teams of up to three undergraduate or high school students researched, modeled, and submitted a solution to one of two modeling problems. The 2008 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 two MCM problems represented significant challenges. The author of Problem A, Professor Jerry Griggs from the University of South Carolina was also one of the final judges. Problem A, "Take a Bath," asked teams to consider the effects on land from the melting of the North Polar Ice Cap due to the predicted increase in global temperatures. Specifically, students were asked to model the effects on the coast of Florida every 10 years for the next 50 years due to the melting, with particular attention given to large metropolitan areas. Additionally, they were asked to propose appropriate

responses to deal with the melting. The author of Problem B, Veena Mendiratta, of Lucent Technologies, was also one of the final judges. Problem B, "Creating Sudoku Puzzles," asked teams to develop an algorithm to construct Sudoku puzzles of varying difficulty. The problem required teams to develop metrics to define a difficulty level. Further, the problem required each team's algorithm and metrics to be extensible to a varying number of difficulty levels, the algorithm to be illustrated with at least 4 difficulty levels, and an analysis of the complexity of the algorithm in the solution.

The nine **Outstanding** solution papers will be published in *The UMAP Journal*, along with commentary from the authors and other judges. All 1162 of the competing teams are to be congratulated for their excellent work and enthusiasm for mathematical modeling and interdisciplinary problem solving.

2008 MCM Statistics

- 1162 teams participated
- 14 high school teams (1%)
- 276 U.S. Teams (24%)
- 886 Foreign Teams (76%) from Australia, Canada, China, Finland, Germany, Indonesia, Ireland, Jamaica, Mexico, Korea, Singapore, South Africa, United Kingdom
- 9 Outstanding Winners (1%)
- 161 Meritorious Winners (13%)
- 478 Honorable Mentions (41%)
- 512 Successful Participants (44%)
- 2 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: mcmcontest.com, or mcmcontest.com, or mcm.com, or <a h

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 Interdisciplinary 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.



Administered by
The Consortium for Mathematics
and Its Applications

Contest Director

Frank Giordano, Naval Postgraduate School, Monterey, CA

Executive Director

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

Founding Director

Ben Fusaro, Florida State University

Associate Directors

William Fox, Naval Postgraduate School, Monterey, CA Pat Driscoll, United States Military Academy, NY

Ctrl #	Institution	Country	Advisor	Problem	Designation	
2858	Harvard University	USA	Clifford Taubes	В	Outstanding Winner	SIAM Award
3497	Youngstown State University	USA	George Yates	В	Outstanding Winner	
3613	Harvey Mudd College	USA	Jon Jacobsen	В	Outstanding Winner	
3755	Harvey Mudd College	USA	Zach Dodds	В	Outstanding Winner	MAA Award
3780	U. Alaska Fairbanks	USA	Orion Lawlor	В	Outstanding Winner	INFORMS Award
2243	University of Califonia, Davis	USA	Eva Strawbridge	В	Meritorious Winner	
2272	Institution of Applied Mathematics	People's Republic of	Laifu Liu	В	Meritorious Winner	
2285	Naval Aeronautical Engineering Academy(Qingdao)	P.R.C	Cao Lin	В	Meritorious Winner	
2306	University of Washington	USA	Anne Greenbaum	В	Meritorious Winner	
2309	Southwestern University of Finance and Economics	China	dai Dai	В	Meritorious Winner	
2327	East China Normal University	China	Yongming Liu	В	Meritorious Winner	
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Ctrl #	Institution	Country	Advisor	Problem	Designation
2333	Korea Advanced Institute of Science & Technology	Republic of Korea	Yong-Jung Kim	В	Meritorious Winner
2375	Harbin Institute of Technology School of	P.R. China	Bing Wen	В	Meritorious Winner
2382	Harbin Institute of Technology School of Science	China	Yong Wang	В	Meritorious Winner
2420	School of Information Engineering,University of	China	Zhaoshun Wang	В	Meritorious Winner
2426	University of WisconsinRiver Falls	USA	Kathy Tomlinson	В	Meritorious Winner
2427	Shandong University at Weihai	P.R.China	YangBing SongHuiMin	В	Meritorious Winner
2437	Shandong University(Weihai)	P.R.China	Cao Zhulou Xiao Hua	В	Meritorious Winner
2445	northwestern polytechnical university	P.R.China	xiao huayong	В	Meritorious Winner
2447	northwestern polytechnical university	P.R.China	Zhou Min	В	Meritorious Winner
2448	northwestern polytechnical university	P.R.China	Yong Xu	В	Meritorious Winner
2495	Jilin University	P.R.China	Xianrui Lv	В	Meritorious Winner

Ctrl #	Institution	Country	Advisor	Problem	Designation
2501	Jilin University	China	Huang Qingdao	В	Meritorious Winner
2504	BeiHang University	China	Sun Yan	В	Meritorious Winner
2511	Xidian university	P.R.China	Guoping YANG	В	Meritorious Winner
2513	Xidian University	P.R.China	Jimin YE	В	Meritorious Winner
2516	Institute of industrial and applied mathematics of	P.R.China	Qiang ZHU	В	Meritorious Winner
2534	Shandong University	P.R.China	Bao LIU	В	Meritorious Winner
2537	Shandong University	P.R.China	Xiao RONG	В	Meritorious Winner
2543	Sichuan University	P.R.China	Qiong Chen	В	Meritorious Winner
2554	Dalian Maritime University	P. R. China	Naxin Chen	В	Meritorious Winner
2579	East China University of Science and Technology	China	Su Chunjie	В	Meritorious Winner
2581	Southwest University	People's Republic of	Lei Deng	В	Meritorious Winner
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Ctrl #	Institution	Country	Advisor	Problem	Designation
2582	Southwest University	People's Republic of	Xianning Liu	В	Meritorious Winner
2586	Tsinghua University	China	Jun Ye	В	Meritorious Winner
2594	Shandong university	China	Xiangxu Meng	В	Meritorious Winner
2615	Hangzhou Dianzi Unniversity	P.R.China	Zheyong Qiu	В	Meritorious Winner
2641	Shijiazhuang Railway Institute	P.R.China	Baocai Zhang	В	Meritorious Winner
2683	University of Western Ontario	Canada	Allan MacIsaac	В	Meritorious Winner
2721	SHANGHAI FOREIGN LANGUAGE SCHOOL	CHINA	FENG XU	В	Meritorious Winner
2724	Princeton University	USA	Robert Calderbank	В	Meritorious Winner
2759	Zhejiang University	China	Yong Wu	В	Meritorious Winner
2813	Wuhan University	China	Liuyi Zhong	В	Meritorious Winner
2831	MATHS	CHINA	LIANG TAO	В	Meritorious Winner

Ctrl #	Institution	Country	Advisor	Problem	n Designation
2850	Oxford University	United Kingdom	Jeffrey Giansiracusa	В	Meritorious Winner
2883	Oxford University	United Kingdom	Jeffrey Giansiracusa	В	Meritorious Winner
2886	Shanghai Sino European School of Technology	China	Wei Huang	В	Meritorious Winner
2930	Cal Poly San Luis Obispo	USA	Lawrence Sze	В	Meritorious Winner
2941	Cheshire Academy	USA	Susan Eident	В	Meritorious Winner
2947	Princeton University	U.S.A.	Warren Powell	В	Meritorious Winner
2956	Dalian University of Technology	P.R.China	Zhe Li	В	Meritorious Winner
2957	Dalian University of Technology	P.R.China	Zhe Li	В	Meritorious Winner
3011	Sun Yat-Sen(Zhongshan) University	China	XiaoLong Jiang	В	Meritorious Winner
3024	Zhejiang University of Finance and Economics	China P.R.	Ji Luo	В	Meritorious Winner
3074	School of Science,Xi\'an Communication Institute	P.R.China	Xinshe Qi	В	Meritorious Winner

Institution	Country	Advisor	Problem	Designation	
School of Telecomm. Engineering,Beijing Univ. of	PR China	Jianhua Yua	an B	Meritorious Winner	
NC School of Science and Mathematics	USA	Daniel Tea	ague B	Meritorious Winner	
University of Puget Sound	USA	Michael Spiv	vey B	Meritorious Winner	Ben Fusaro Award
Nanjing University of Posts&Telecommunications	P.R.China	Jun Ye	В	Meritorious Winner	
University of Colorado - Boulder	USA	Anne Dou	ugherty B	Meritorious Winner	
University of Colorado - Boulder	USA	Luis Mela	lara B	Meritorious Winner	
South China Normal University	China	Tan Yan	ng B	Meritorious Winner	
Nanjing University	China	Ze-Chun Hu	В	Meritorious Winner	
Bethel University	USA	Nathan Gos	ssett B	Meritorious Winner	
National University of Defense Technology	P. R. China	Meihua Xie	В	Meritorious Winner	
National University of Defense Technology	P. R. China	Dan War	ng B	Meritorious Winner	
	School of Telecomm. Engineering,Beijing Univ. of NC School of Science and Mathematics University of Puget Sound Nanjing University of Posts&Telecommunications University of Colorado - Boulder University of Colorado - Boulder South China Normal University Nanjing University Bethel University National University of Defense Technology	School of Telecomm. Engineering, Beijing Univ. of PR China NC School of Science and Mathematics USA University of Puget Sound USA Nanjing University of Posts&Telecommunications P.R.China University of Colorado - Boulder USA University of Colorado - Boulder USA South China Normal University China Nanjing University China Bethel University USA National University of Defense Technology P. R. China	School of Telecomm. Engineering, Beijing Univ. of PR China Jianhua Yua NC School of Science and Mathematics USA Daniel Tea University of Puget Sound USA Michael Spi Nanjing University of Posts&Telecommunications P.R.China Jun Ye University of Colorado - Boulder USA Anne Dou University of Colorado - Boulder USA Luis Mel South China Normal University China Tan Yan Nanjing University China Ze-Chun Hu Bethel University USA Nathan Gos National University of Defense Technology P. R. China Meihua Xie	School of Telecomm. Engineering, Beljing Univ. of PR China Jianhua Yuan B NC School of Science and Mathematics USA Daniel Teague B University of Puget Sound USA Michael Spivey B Nanjing University of Posts&Telecommunications P.R.China Jun Ye B University of Colorado - Boulder USA Anne Dougherty B University of Colorado - Boulder USA Luis Melara B South China Normal University China Tan Yang B Nanjing University China Ze-Chun Hu B Bethel University USA Nathan Gossett B National University of Defense Technology P. R. China Meihua Xie B	School of Telecomm. Engineering, Beijing Univ. of PR China Jianhua Yuan B Meritorious Winner NC School of Science and Mathematics USA Daniel Teague B Meritorious Winner University of Puget Sound USA Michael Spivey B Meritorious Winner Nanjing University of Posts&Telecommunications P.R.China Jun Ye B Meritorious Winner University of Colorado - Boulder USA Anne Dougherty B Meritorious Winner University of Colorado - Boulder USA Luis Melara B Meritorious Winner South China Normal University China Tan Yang B Meritorious Winner Nanjing University China Ze-Chun Hu B Meritorious Winner Bethel University USA Nathan Gossett B Meritorious Winner National University of Defense Technology P. R. China Meihua Xie B Meritorious Winner

Institution	Country	Advisor	Problem	Designation
National University of Defense Technology	P. R. China	Yong Luo	В	Meritorious Winner
Shanghai University of Finance and Economics	P. R. China	Wenqiang Hao	В	Meritorious Winner
University of Wisconsin - La Crosse	United States	Barbara Bennie	В	Meritorious Winner
Humboldt State University	United States	Brad Finney	В	Meritorious Winner
University of New South Wales	Australia	James Franklin	В	Meritorious Winner
Päivölä College of Mathematics	Finland	Janne Puustelli	В	Meritorious Winner
Zhejiang University City College	PRC	Gui Wang	В	Meritorious Winner
The College of Wooster	USA	John Ramsay	В	Meritorious Winner
Renmin University of China	China	Gao Jinwu	В	Meritorious Winner
Beijing Institute of Technology	China	Guifeng Yan	В	Meritorious Winner
Beijing Institute of Technology	China	Houbao XU	В	Meritorious Winner
	National University of Defense Technology Shanghai University of Finance and Economics University of Wisconsin - La Crosse Humboldt State University University of New South Wales Päivölä College of Mathematics Zhejiang University City College The College of Wooster Renmin University of China Beijing Institute of Technology	National University of Defense Technology P. R. China Shanghai University of Finance and Economics P. R. China University of Wisconsin - La Crosse United States Humboldt State University United States University of New South Wales Australia Päivölä College of Mathematics Finland Zhejiang University City College PRC The College of Wooster USA Renmin University of China China Beijing Institute of Technology China	National University of Defense Technology P. R. China Yong Luo Shanghai University of Finance and Economics P. R. China Wenqiang Hao University of Wisconsin - La Crosse United States Barbara Bennie Humboldt State University United States Brad Finney University of New South Wales Australia James Franklin Päivölä College of Mathematics Finland Janne Puustelli Zhejiang University City College PRC Gui Wang The College of Wooster USA John Ramsay Renmin University of China Gao Jinwu Beijing Institute of Technology China Guifeng Yan	National University of Defense Technology P. R. China Yong Luo B Shanghai University of Finance and Economics P. R. China Wenqiang Hao B University of Wisconsin - La Crosse United States Barbara Bennie B University of New South Wales Australia James Franklin B Păivôlă College of Mathematics Finland Janne Puustelli B Zhejiang University City College PRC Gui Wang B The College of Wooster USA John Ramsay B Renmin University of China China Gao Jinwu B Beijing Institute of Technology China Guifeng Yan B

Ctrl #	Institution	Country	Advisor	Problem	Designation	
3505	Carroll College	USA	John Salzsieder	В	Meritorious Winner	
3514	Davidson College	USA	Richard Neidinger	В	Meritorious Winner	
3515	Davidson College	USA	Richard Neidinger	В	Meritorious Winner	
3540	South China University of Technology	China	Qin YongAn	В	Meritorious Winner	
3544	South China University of Technology	China	Liang ManFa	В	Meritorious Winner	
3545	South China University of Technology	China	Liang ManFa	В	Meritorious Winner	
3553	Wuhan University	P.R.China	Yuanming Hu	В	Meritorious Winner	
3570	Daqing Petroleum Institute	China	Yang Yunfeng	В	Meritorious Winner	
3571	Daqing Petroleum Institute	China	Kong Lingbin	В	Meritorious Winner	
3574	The University of Iowa	USA	lan Besse	В	Meritorious Winner	
3621	Nanjing University of Posts & Telecommunications	CHINA	Jin Xu	В	Meritorious Winner	

Ctrl #	Institution	Country	Advisor	Problem	Designation	
3625	PLA University of Science and Technology	P.R.China	Shen Jinren	В	Meritorious Winner	
3635	Peking University	P. R. China	Yulong Liu	В	Meritorious Winner	
3637	Peking University	P. R. China	Xin Yi	В	Meritorious Winner	
3643	Peking University, School of Mathematical Sciences	P. R. China	Shanjun Lin	В	Meritorious Winner	
3646	Peking University	P. R. China	Xufeng Liu	В	Meritorious Winner	
3647	Nanjing Normal University	P.R.China	Wang Qiong	В	Meritorious Winner	
3677	University of Delaware	USA	Louis Rossi	В	Meritorious Winner	
3710	Luther College	USA	Steven Hubbard	В	Meritorious Winner	
3712	Slippery Rock University	U.S.A	Athula Herat	В	Meritorious Winner	
3742	James Madison University	USA	David Walton	В	Meritorious Winner	
3754	Harvey Mudd College	USA	Zach Dodds	В	Meritorious Winner	

Ctrl #	Institution	Country	Advisor	Problem	Designation
3775	Rensselaer Polytechnic Institute	USA	Donald Drew	В	Meritorious Winner
3808	Clarkson University	USA	Katie Fowler	В	Meritorious Winner
2249	North China Electric Power University	China.PRC	Qirong Qiu	В	Honorable Mention
2254	Sichuan University	P.R.China	Hai Niu	В	Honorable Mention
2258	Beijing Forestry University	China	Jie Ma	В	Honorable Mention
2260	School of Economics,Fudan University	China	Pan Deng	В	Honorable Mention
2261	Nanjing University	People's Republic of	Jianchun Cheng	В	Honorable Mention
2266	Fudan University	China	Yuan Cao	В	Honorable Mention
2270	School of Mathematical Sciences, Beijing Normal	P.R.China	Zhengru Zhang	В	Honorable Mention
2279	Civil Aviation University of China	China	Xia Feng	В	Honorable Mention
2280	University of Washington	USA	James Morrow	В	Honorable Mention
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Ctrl #	Institution	Country	Advisor	Problem	Designation
2289	Nanjing University	China	Weihua Huang	В	Honorable Mention
2292	Beijing Normal University	China	JACOB KING	В	Honorable Mention
2301	History of Mathematics and Science.Northwest	China	Bo Zhang	В	Honorable Mention
2302	Renmin University of China	China	Yong LIN	В	Honorable Mention
2312	Nanjing University	China	Ming Kong	В	Honorable Mention
2315	Southeast University	China	Xingang Jia	В	Honorable Mention
2316	Southeast University	China	Xingang Jia	В	Honorable Mention
2329	Hong Kong University of Science and Technology	China	Min Yan	В	Honorable Mention
2330	Shandong University of Science and Technology	P.R.China	Pang chen	В	Honorable Mention
2334	Korea Advanced Institute of Science & Technology	Republic of Korea	Yong-Jung Kim	В	Honorable Mention
2335	Fudan University	China	Yan Zhang	В	Honorable Mention
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Ctrl #	Institution	Country	Advisor	Problem	Designation	
2343	Mathematics Department of Harbin Engineering	P.R.China	Luo Yues	sheng B	Honorable Mention	
2349	Southeast University	P.R.China	Liyan Wang	g B	Honorable Mention	
2359	NorthWestUniversity in China	China	Bo Zhan	ng B	Honorable Mention	
2365	Chongqing University	P.R.China	Zhengmin Duan	n B	Honorable Mention	
2367	Harbin Institute of Technology	P.R. China	Shouting Shan	ng B	Honorable Mention	
2371	Harbin Institute of Technology School of	P.R. China	Wei Shan	ng B	Honorable Mention	
2373	Harbin Institute of Technology	P.R. China	Jianguo Bao	В	Honorable Mention	
2377	Harbin Institute of Technology School of	P.R. China	Dongmei Zhan	ng B	Honorable Mention	
2380	Harbin Institute of Technology Shiyan School	P.R. China	Xiaofeng Shi	В	Honorable Mention	
2381	Harbin Institute of Technology School of Science	China	Yong Wang	g B	Honorable Mention	
2387	Harbin Institute of Technology School of Science	P.R. China	Boying Wu	В	Honorable Mention	
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Institution	Country	Advisor	Problem	Designation	
Renmin University of China	China	Yong Lin	В	Honorable Mention	
Civil Aviation University of China	China	Zhaoning Zhang	В	Honorable Mention	
Harbin Institute of Technology School of	China	Jiqyun Shao	В	Honorable Mention	
Southwestern University of Finance and Economics	China	dai Dai	В	Honorable Mention	
University of Wisconsin-Eau Claire	USA	Simei Tong	В	Honorable Mention	
Northwestern Polytechnical University	P.R.China	Yufeng Nie	В	Honorable Mention	
northwestern polytechnical university	P.R.China	lu quanyi	В	Honorable Mention	
northwestern polytechnical university	P.R.China	tang yaning	В	Honorable Mention	
Tianjin Polytechnic University	P.R. China	Advisory Team	В	Honorable Mention	
NANJING UNIVERSITY	China	ZECHUN HU	В	Honorable Mention	
China University of Geosciences, Beijing	China	Guangdong Huang	В	Honorable Mention	
	Renmin University of China Civil Aviation University of China Harbin Institute of Technology School of Southwestern University of Finance and Economics University of Wisconsin-Eau Claire Northwestern Polytechnical University northwestern polytechnical university Tianjin Polytechnic University NANJING UNIVERSITY	Renmin University of China Civil Aviation University of China China Harbin Institute of Technology School of China Southwestern University of Finance and Economics China University of Wisconsin-Eau Claire USA Northwestern Polytechnical University P.R.China northwestern polytechnical university P.R.China Tianjin Polytechnic University P.R. China NANJING UNIVERSITY China	Renmin University of China Jiqyun Shao China Southwestern University of Finance and Economics China University of Wisconsin-Eau Claire USA Simei Tong Northwestern Polytechnical University P.R.China Yufeng Nie northwestern polytechnical university P.R.China tang yaning Tianjin Polytechnic University P.R. China Advisory Team NANJING UNIVERSITY China ZECHUN HU	Renmin University of China Jiqyun Shao B Southwestern University of Finance and Economics China Jiqyun Shao B University of Wisconsin-Eau Claire USA Simei Tong B Northwestern Polytechnical University P.R.China Yufeng Nie B northwestern polytechnical university P.R.China Lu quanyi B Tianjin Polytechnic University P.R. China Advisory Team B NANJING UNIVERSITY China ZECHUN HU B	Renmin University of China China China Zhaoning Zhang B Honorable Mention Civil Aviation University of China China China Jiqyun Shao B Honorable Mention Southwestern University of Finance and Economics China Jiqyun Shao B Honorable Mention China USA Simei Tong B Honorable Mention Northwestern Polytechnical University P.R.China Yufeng Nie B Honorable Mention Northwestern polytechnical university P.R.China Iu quanyi B Honorable Mention Tianjin Polytechnic University P.R. China Advisory Team B Honorable Mention ANNJING UNIVERSITY China ZECHUN HU B Honorable Mention

Ctrl #	Institution	Country	Advisor	Problem	Designation	
2471	China University of Geosciences(Beijing)	China	Cuixiang Wang	В	Honorable Mention	
2485	Zhejiang Sci-Tech University	China	Hu Jueliang	В	Honorable Mention	
2486	Department Automation	China	Chen Wanyi	В	Honorable Mention	
2503	Jilin University	China	Cao Yang	В	Honorable Mention	
2506	Shandong University	China	Wei Chen	В	Honorable Mention	
2510	Xidian University	P.R.China	Houjian TANG	В	Honorable Mention	
2521	College of Science	P.R.China	Xiang Yin	В	Honorable Mention	
2530	Beijing Forestry University, College of Science	China	Xiaochun Wang	В	Honorable Mention	
2533	Shandong University	P.R.China	Bao LIU	В	Honorable Mention	
2536	Shandong University	P.R.China	Shu HUANG	В	Honorable Mention	
2552	Dalian Maritime University	P. R. China	Y. Zhang	В	Honorable Mention	

Ctrl #	Institution	Country	Advisor	Problem	Designation
2558	Dalian Maritime University, College of Mathematics	P. R. China	Guoyan Chen	В	Honorable Mention
2563	Dalian Maritime University, Information Engineering	P. R. China	Sheng Bi	В	Honorable Mention
2567	Dalian Maritime University, Information Engineering	P. R. China	Xinnian Wang	В	Honorable Mention
2575	East China University of Science and Technology	China	Liu Zhaohui	В	Honorable Mention
2584	Southwest University	People's Republic of	Yangrong Li	В	Honorable Mention
2585	Southwest University	People's Republic of	Lei Deng	В	Honorable Mention
2595	Shanghai Jiading No.1 Senior High School	China	Xilin Xie Yunping Fang	В	Honorable Mention
2596	Shanghai Jiading No.1 Senior High School	China	Xilin Xie Yunping Fang	В	Honorable Mention
2598	Jilin University	P.R.China	Shishun Zhao	В	Honorable Mention
2601	Yucai senior high school	China P.R.	Zhenwei Yang	В	Honorable Mention
2605	South China Agricultural University	China	ShaoMei Fang	В	Honorable Mention
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Ctrl #	Institution	Country	Advisor	Problem	Designation	
2608	College of Xing Zhi, Zhejiang Normal University	P.R.China	Yuanheng Wang	В	Honorable Mention	
2618	Hangzhou Dianzi Unniversity	P.R.China	Zhifeng Zhang	В	Honorable Mention	
2630	College of Xing Zhi, Zhejiang Normal University	P.R.China	Dong Chen	В	Honorable Mention	
2632	College of Mathematics And Physics,Zhejiang	P.R.China	Wenqing Bao	В	Honorable Mention	
2637	School of Mathematics, Anhui University	China	Ranchao Wu	В	Honorable Mention	
2639	School of Mathematics, Anhui University	China	Quanbing Zhang	В	Honorable Mention	
2642	Shijiazhuang Railway Institute	P.R.China	Baocai Zhang	В	Honorable Mention	
2643	Dalian Neusoft Institute of Information	P. R. China	Sheng Guan	В	Honorable Mention	
2644	Yucai senior high school	China P.R.	Xiaodong Zhou	В	Honorable Mention	
2648	Nankai University	China	Liying Zhang	В	Honorable Mention	
2653	Nanjing University	China	Weihua Huang	В	Honorable Mention	

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2654	University of Science and Technology Beijing	P. R.China	Zhu Jing	В	Honorable Mention	
2657	University of Science and Technology Beijing	P. R. China	Hu Zhixing	В	Honorable Mention	
2664	School of Information Science and Engineering,	China	Xuan Qin	В	Honorable Mention	
2685	Pacific Lutheran University	US	Rachid Benkhalti	В	Honorable Mention	
2692	Southwest Jiaotong University	China	Wang Lu	В	Honorable Mention	
2696	SHANGHAI FOREIGN LANGUAGE SCHOOL	CHINA	LIQUN PAN	В	Honorable Mention	
2698	Zhengzhou Institute of Electronic Technology	China	Lixin Jia	В	Honorable Mention	
2699	Zhengzhou Institute of Electronic Technology	China	Lixin Jia	В	Honorable Mention	
2700	BeiHang University	China	Sun Yan	В	Honorable Mention	
2701	Zhengzhou Institute of Electronic Technology	China	Xiaoyong Zhang	В	Honorable Mention	
2703	Dalian Nationalities University	China	Fu Jie	В	Honorable Mention	

Ctrl #	Institution	Country	Advisor	Problem	Designation
2704	Dalian Nationalities University	China	Xiaoniu Li	В	Honorable Mention
2711	Civil Aviation University of China	China	Zhang Chunxiao	В	Honorable Mention
2713	Dalian Nationalities Innovation College	China	Xinwen Chen	В	Honorable Mention
2715	Dalian Nationalities Innovation College	China	Tian Yun	В	Honorable Mention
2717	SHANGHAI FOREIGN LANGUAGE SCHOOL	CHINA	LIQUN PAN	В	Honorable Mention
2727	College of Science	China	Yumei Ma	В	Honorable Mention
2735	College of Computer Science and Engineering	China	Liming Wang	В	Honorable Mention
2739	Harbin Institute of Technology School of	P.R. China	Boping Tian	В	Honorable Mention
2743	Information School	P.R.China	Hong Wei	В	Honorable Mention
2763	Yangzhou University	China	Fan Cai	В	Honorable Mention
2789	Beijing Normal University	P.R.C.	Shumei Zhang	В	Honorable Mention

Ctrl #	Institution	Country	Advisor	Problem	Designation	
2793	Shanghai University	China	Donghua Wu	В	Honorable Mention	
2800	Shenzhen Polytechnic	P.R. China	JianLong Zhong	В	Honorable Mention	
2804	Centenary College of Louisiana	USA	Mark Goadrich	В	Honorable Mention	
2807	Truman State University	USA	Steve Smith	В	Honorable Mention	
2816	School of Information Science and Engineering,	China	Xuan Qin	В	Honorable Mention	
2817	School of Materials Science And Engineering ,	China	Xuanyun Qin	В	Honorable Mention	
2819	School of Mathematical Science and Computing	China	Zhoushun Zheng	В	Honorable Mention	
2823	Xi\'an Jiaotong University	China	Wei Wang	В	Honorable Mention	
2830	SHANGHAI FOREIGN LANGUAGE SCHOOL	CHINA	WEIPING WANG	В	Honorable Mention	
2836	Beijing Forestry University	BEIJING	ZHAO DONG	В	Honorable Mention	
2838	MATHS	CHINA	YU SUN	В	Honorable Mention	

Ctrl #	Institution	Country	Advisor	Problem	Designation
2846	Zhejiang University of Science and Technology	P. R. CHINA	Yongzhen Zhu	В	Honorable Mention
2848	China Agricultural University	P.R.China	Yang JianPing	В	Honorable Mention
2851	Shanghai University of Finance and Economics	China	Xing Zhang	В	Honorable Mention
2856	Princeton	USA	Robert Vanderbei	В	Honorable Mention
2857	Princeton	USA	Robert Vanderbei	В	Honorable Mention
2870	Nanchang University	P. R. China	Xianjiu Huang	В	Honorable Mention
2888	College of Information Science and Engineering	China	Xinzeng Wang	В	Honorable Mention
2889	North China Electric Power University Baoding	China	PO ZHANG	В	Honorable Mention
2891	National University of Singapore	Singapore	Karthik Natarajan	В	Honorable Mention
2898	North China Electric Power University Baoding	China	JINGGANG LIU	В	Honorable Mention
2905	Dalian University of Technology	P.R.C	Mingfeng He	В	Honorable Mention

Institution	Country	Advisor	Problem	Designation
Dalian University of Technology	P.R.C	Zhenyu Wu	В	Honorable Mention
Dalian University of Technology	P.R.C	Wanwu Xi	В	Honorable Mention
Dalian University of Technology	P.R.C	Liang Zhang	В	Honorable Mention
College of Light Industry,Hebei Polytechnic	P.R.China	Yan YAN	В	Honorable Mention
Hebei Polytechnic University	P.R.China	Yamian PENG	В	Honorable Mention
Cal Poly San Luis Obispo	USA	Lawrence Sze	В	Honorable Mention
City Institute, Dalian University of Technology	China	Lina Wan	В	Honorable Mention
Dalian University of Technology	P.R.China	Zhe Li	В	Honorable Mention
China University of Petroleum, Beijing	P.R.China	Pei Wang	В	Honorable Mention
Dalian Navel Academy	China	Feng Jie	В	Honorable Mention
Beijing High School Four	China	Jinli Miao	В	Honorable Mention
	Dalian University of Technology Dalian University of Technology College of Light Industry, Hebei Polytechnic Hebei Polytechnic University Cal Poly San Luis Obispo City Institute, Dalian University of Technology Dalian University of Technology China University of Petroleum, Beijing Dalian Navel Academy	Dalian University of Technology P.R.C Dalian University of Technology P.R.C College of Light Industry, Hebei Polytechnic P.R.China Hebei Polytechnic University P.R.China Cal Poly San Luis Obispo USA City Institute, Dalian University of Technology P.R.China Dalian University of Technology P.R.China China University of Petroleum, Beijing P.R.China Dalian Navel Academy China	Dalian University of Technology P.R.C Wanwu Xi Dalian University of Technology P.R.C Liang Zhang College of Light Industry, Hebei Polytechnic P.R.China Yan YAN Hebei Polytechnic University P.R.China Yamian PENG Cal Poly San Luis Obispo USA Lawrence Sze City Institute, Dalian University of Technology P.R.China Dalian University of Technology P.R.China Pei Wang Dalian Navel Academy China Feng Jie	Dalian University of Technology P.R.C Wanwu Xi B Dalian University of Technology P.R.C Wanwu Xi B Dalian University of Technology P.R.C Liang Zhang B College of Light Industry,Hebei Polytechnic P.R.China Yan YAN B Hebei Polytechnic University P.R.China Yamian PENG B Cal Poly San Luis Obispo USA Lawrence Sze B City Institute,Dalian University of Technology P.R.China Zhe Li B China University of Petroleum, Beijing P.R.China Pei Wang B Dalian Navel Academy China Feng Jie B

Ctrl #	Institution	Country	Advisor	Problem	Designation	
2974	Universidad Autónoma de Yucatán	México	Eric Avila-Vales	s B	Honorable Mention	
2975	Longwood University	USA	M. Leigh Lunsford	В	Honorable Mention	
2977	College of Charleston	USA	Amy Langville	В	Honorable Mention	
2981	Lawrence Technological University	USA	Ruth Favro	В	Honorable Mention	
2982	Harbin University of Science and Technology	People's Republic of	Dongyan Chen	В	Honorable Mention	
2985	Harbin University of Science and Technology	People's Republic of	Shuzhong Wang	В	Honorable Mention	
2986	Jinan University	P.R.China	Daiqiang Hu	В	Honorable Mention	
2987	Harbin University of Science and Technology	People's Republic of	Guangyue Tian	В	Honorable Mention	
2992	Jinan University	P.R.China	Shiqi Ye	В	Honorable Mention	
2996	School of Science,Beijing Jiaotong University	P.R.China	Minghui Liu	В	Honorable Mention	
2998	Fujian Agriculture and Forestry University	China	Lurong Wu	В	Honorable Mention	

Ctrl #	Institution	Country	Advisor	Problem	Designation
3000	Sun Yat-Sen(Zhongshan) Univerisity	China	GuoCan Feng	В	Honorable Mention
3005	Sun Yat-Sen(Zhongshan) University	China	ZePeng Chen	В	Honorable Mention
3006	Sun Yat-Sen(Zhongshan) University	China	ZhengLu Jiang	В	Honorable Mention
3015	Mills E. Godwin High School	USA	Ann Sebrell	В	Honorable Mention
3020	School of Science ,Beijing Jiaotong University	P.R.China	Jun Wang	В	Honorable Mention
3027	Zhejiang University of Finance and Economics	China P.R.	Ji Luo	В	Honorable Mention
3029	Zhejiang University of Finance and Economics	China P.R.	Fulai Wang	В	Honorable Mention
3039	University at Buffalo	USA	John Ringland	В	Honorable Mention
3046	Hunan University	China	Yizhao Chen	В	Honorable Mention
3047	Hunan University	China	Yuanbei Deng	В	Honorable Mention
3054	Nanjing Univ. of Sci. & Tech.	P.R.China	Chungen Xu	В	Honorable Mention
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Ctrl #	Institution	Country	Advisor	Problem	Designation
3055	Beijing Jiaotong University	P.R.China	Weidong Li	В	Honorable Mention
3060	Nanjing Univ. of Sci. & Tech.	P.R.China	Zhipeng Qiu	В	Honorable Mention
3069	Shanghai Normal University	China	Xiaobo Zhang	В	Honorable Mention
3075	School of Science,Xi\'an Communication Institute	P.R.China	Li Hao	В	Honorable Mention
3076	School of Information,Xi\'an Communication	P.R.China	Hong Wang	В	Honorable Mention
3087	Zhejiang Gongshang University	P.R.China	Zhao Heng	В	Honorable Mention
3092	Zhejiang Gongshang University	P.R.China	Ding Zhengzhong	В	Honorable Mention
3096	Zhejiang Gongshang University	P.R.China	Hua Jiukun	В	Honorable Mention
3100	Shandong University	Lixia Zone	Huang Xiang	В	Honorable Mention
3102	sichuan university	china	huilei han	В	Honorable Mention
3113	Beijing University of Posts and	PR China	Hongxiang Sun	В	Honorable Mention

Ctrl #	Institution	Country	Advisor	Problem	Designation	'
3119	Beijing University of Posts and	PR China	Jianhua Yuan	В	Honorable Mention	
3123	School of Telecomm. Engineering,Beijing Univ. of	PR China	Zuguo He	В	Honorable Mention	
3127	School of Telecomm. Engineering,Beijing Univ. of	PR China	Xinchao Zhao	В	Honorable Mention	
3136	Chuxiong Normal University	P.R.China	Jiade Tang	В	Honorable Mention	
3137	Zhejiang University of Technology	P.R.China	Wenxin Zhuo	В	Honorable Mention	
3140	School of Physics, Peking University	China	Xiaodong Hu	В	Honorable Mention	
3143	NC School of Science and Mathematics	USA	Daniel Teague	В	Honorable Mention	
3150	Saint Mary\'s College	United States of	Natalie Domelle	В	Honorable Mention	
3152	Southwestern University of Finance and Economics	P.R.China	Sun Yunlong	В	Honorable Mention	
3156	Nanjing University of Posts and	P.R.China	LiWei Xu	В	Honorable Mention	
3157	Wuhan University of Technology	China	Liu Yang	В	Honorable Mention	
3156	Nanjing University of Posts and	P.R.China	LiWei Xu	В	Honorable Mention	

Ctrl #	Institution	Country	Advisor	Problem	Designation	
3163	Southwest Jiaotong University	P.R.China	Yueliang Xu	В	Honorable Mention	
3170	School of Sciences, University of Jinan	P. R. China	Honghua Wu	В	Honorable Mention	
3171	North China Electric Power University	PR China	Yongqiang ZHU	В	Honorable Mention	
3185	Academy of Armored Force Engineering	China	Chen Jianhua	В	Honorable Mention	
3191	Beijing Language and Culture University	China	Guilong Liu	В	Honorable Mention	
3197	China Center for Economic Research, Peking	China PR	Qiang Gong	В	Honorable Mention	
3199	Beihang University	China	Wu Xing	В	Honorable Mention	
3213	Tennessee Tech University	USA	Andrew Hetzel	В	Honorable Mention	
3214	Kansas State University	USA	David Auckly	В	Honorable Mention	
3215	Kansas State University	USA	David Auckly	В	Honorable Mention	
3218	United States Military Academy	USA	Robert Burks	В	Honorable Mention	

Ctrl #	Institution	Country	Advisor	Problem	Designation
3219	University of Richmond	USA	Kathy Hoke	В	Honorable Mention
3222	Ithaca College	USA	Bruce Thompson	В	Honorable Mention
3224	Hebei University	P.R.China	Qiang Hua	В	Honorable Mention
3240	Electronic Engineering Institute	China	Quan Gan	В	Honorable Mention
3241	Electronic Engineering Institute	China	Quan Gan	В	Honorable Mention
3250	Huazhong University of Science and Technology	China	Zhengyang Mei	В	Honorable Mention
3258	Loyola College in Maryland	USA	Jiyuan Tao	В	Honorable Mention
3274	University of Colorado - Boulder	USA	Bengt Fornberg	В	Honorable Mention
3279	Peking University	China	Zhigang Zhang	В	Honorable Mention
3282	Jilin University	China	Yao Xiuling	В	Honorable Mention
3289	North China University of Technology	People's Republic of	Quan Zheng	В	Honorable Mention

Ctrl #	Institution	Country	Advisor	Problem	Designation
3294	South China Normal University	China	Hunan Li	В	Honorable Mention
3297	Zhengzhou Institute of Science	People's Republic of	Zhibo Lu	В	Honorable Mention
3316	Goshen College	USA	Patricia Oakley	В	Honorable Mention
3327	Institute of Artificial Intelligence and Robotics;	P.R.China	Yunzhou Zhang	В	Honorable Mention
3330	Institute of Computer System; Northeast University	P.R.China	Huilin Liu	В	Honorable Mention
3331	Institute of Artificial Intelligence and Robotics;	P.R.China	Feng Pan	В	Honorable Mention
3345	Peking University	P.R.China	Dong Zhiyong	В	Honorable Mention
3347	University of Technology, Jamaica	Jamaica, West Indies	Nilza Justiz-Smith	В	Honorable Mention
3348	Angelo State University	USA	Karl Havlak	В	Honorable Mention
3352	Gettysburg College	USA	Benjamin Kennedy	В	Honorable Mention
3355	Linfield College	USA	Jennifer Nordstrom	В	Honorable Mention

Ctrl #	Institution	Country	Advisor	Problem	Designation	
3362	Pacific University	USA	Michael Boardman	В	Honorable Mention	
3367	Linfield College	USA	Daniel Ford	В	Honorable Mention	
3368	Wofford College	USA	Angela Shiflet	В	Honorable Mention	
3383	National University of Defense Technology	P. R. China	Dan Wang	В	Honorable Mention	
3394	COLUMBIA COLLEGE	USA	Nieves McNulty	В	Honorable Mention	
3407	Päivölä College of Mathematics	Finland	Janne Puustelli	В	Honorable Mention	
3416	South Western University of Finance and	China	Chuan Ding	В	Honorable Mention	
3419	Virginia Tech	USA	Henning Mortveit	В	Honorable Mention	
3422	Peking University	P.R.China	Hua Sun	В	Honorable Mention	
3432	shenyang university of technology	china	Du Hong Bo	В	Honorable Mention	
3442	Shenyang Institute of Aeronautical Engineering,	China	Lin Li	В	Honorable Mention	
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Ctrl #	Institution	Country	Advisor	Problem	Designation	
3451	Bucknell University	USA	Peter McNar	amara B	Honorable Mention	
3452	Southern Connecticut State University	United States of	Ross Gingri	rich B	Honorable Mention	
3475	Concordia College-NY	U.S.	John Loase	e B	Honorable Mention	
3483	Beijing Institute of Technology	China	Xiaoxia Yan	В	Honorable Mention	
3486	Beijing Institute of Technology	China	Hongzhou Wang	g В	Honorable Mention	
3499	Carroll College	USA	Holly Zullo	В	Honorable Mention	
3502	Youngstown State University	USA	Gary Kerns	s B	Honorable Mention	
3512	Davidson College	USA	Donna Moline	ek B	Honorable Mention	
3513	Davidson College	USA	Donna Moline	ek B	Honorable Mention	
3518	Western Carolina University	USA	Erin McNel	elis B	Honorable Mention	
3521	Seattle Pacific University	USA	Melani Plett	В	Honorable Mention	

Ctrl #	Institution	Country	Advisor	Problem	Designation
3525	Seattle Pacific University	USA	Wai Lau	В	Honorable Mention
3530	Simpson College	USA	Murphy Waggoner	В	Honorable Mention
3552	Beijing Wuzi University	China	Advisor Bwu	В	Honorable Mention
3565	North University of China	PRC	Lei YingJie	В	Honorable Mention
3567	North University of China	PRC	Yang Ming	В	Honorable Mention
3573	Ithaca College	usa	John Maceli	В	Honorable Mention
3579	University of Virginia Mathematics	USA	Irina Mitrea	В	Honorable Mention
3581	University of Virginia Mathematics	USA	Tai Melcher	В	Honorable Mention
3585	Georgia Southern University	USA	Goran Lesaja	В	Honorable Mention
3587	Malone College	USA	David Hahn	В	Honorable Mention
3593	Rose-Hulman.edu	USA	Michael Mueller	В	Honorable Mention
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Ctrl #	Institution	Country	Advisor	Problem	Designation
3594	Francis Marion University	USA	David Szurley	В	Honorable Mention
3595	Washington State University	United States	Mark Schumaker	В	Honorable Mention
3597	University of Dayton	USA	Youssef Raffoul	В	Honorable Mention
3598	Rose-Hulman.edu	USA	Michael Mueller	В	Honorable Mention
3603	Saint Louis University	United States	David Jackson	В	Honorable Mention
3605	Heritage University	United States	Richard Swearingen	В	Honorable Mention
3607	University of California, Merced	USA	Arnold Kim	В	Honorable Mention
3618	Nanjing University of Posts & Telecommunications	P.R.China	Kong Gaohua	В	Honorable Mention
3619	Nanjing University of Posts & Telecommunications	P.R.China	Kong Gaohua	В	Honorable Mention
3620	Beloit College	USA	Paul Campbell	В	Honorable Mention
3631	Rensselaer Polytechnic Institute	USA	Peter Kramer	В	Honorable Mention

Ctrl #	Institution	Country	Advisor	Probler	m Designation	
3632	PLA University of Science and Technology	P.R.China	Liu Shou	ousheng B	Honorable Mention	
3634	Peking University	P. R. China	Yulong Liu	В	Honorable Mention	
3649	Nanjing Normal University	P.R.China	Wang Qion	ng B	Honorable Mention	
3653	Nanjing Normal University	P. R. China	Wang Qian	n B	Honorable Mention	
3666	Fujian Normal University	China	Chen Qing	ghua B	Honorable Mention	
3667	Fujian Normal University	China	Zhiqiang Yuan	ın B	Honorable Mention	
3684	University of Pittsburgh	USA	Jonathan Rubi	oin B	Honorable Mention	
3685	Jacobs University	Germany	Marcel Olive	ver B	Honorable Mention	
3687	Trinity University	USA	Diane Saph	hire B	Honorable Mention	
3688	The University of Iowa	USA	Scott Smal	all B	Honorable Mention	
3689	Duke University	USA	David Krair	ines B	Honorable Mention	

Ctrl #	Institution	Country	Advisor	Problem	n Designation
3692	Duke University	USA	Lenny Ng	В	Honorable Mention
3693	Duke University	USA	Bill Pardon	В	Honorable Mention
3697	Central University of Finance and Economics	China	Xiaoming Fan	В	Honorable Mention
3703	Colgate University	USA	Dan Schult	В	Honorable Mention
3704	Helsingin matematiikkalukio	Finland	Esa Lappi	В	Honorable Mention
3706	Luther College	USA	Reginald Laursen	В	Honorable Mention
3707	Luther College	USA	Reginald Laursen	В	Honorable Mention
3708	Luther College	USA	Steven Hubbard	В	Honorable Mention
3713	National University of Ireland, Galway	Ireland	Petri Piiroinen	В	Honorable Mention
3716	Slippery Rock University	USA	Richard Marchand	В	Honorable Mention
3719	Xavier University	USA	Bernd Rossa	В	Honorable Mention
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Ctrl #	Institution	Country	Advisor	Problem	Designation	
3723	Maggie Walker Governor\'s School	USA	John Barnes	В	Honorable Mention	
3724	Coe College	USA	Calvin Van Niewa	aal B	Honorable Mention	
3733	Miami University	USA	Doug Ward	В	Honorable Mention	
3735	Oklahoma State University	USA	Lisa Mantini	В	Honorable Mention	
3736	Rowan University	USA	Christopher Lacke	В	Honorable Mention	
3745	Cornell University	USA	Alexander Vladimirs	ky B	Honorable Mention	
3749	Cornell University	USA	Eric Friedman	В	Honorable Mention	
3751	University of San Diego	USA	Cameron Parker	В	Honorable Mention	
3753	Seattle Pacific University	USA	Wai Lau	В	Honorable Mention	
3760	University of Southern Queensland	Australia	Sergey Suslov	В	Honorable Mention	
3764	Peking University, School of Mathematical Sciences	P. R. China	Peng He	В	Honorable Mention	

Ctrl #	Institution	Country	Advisor	Problem	Designation
3768	Westminster College	USA	Warren Hickman	В	Honorable Mention
3773	linyi normal university	China	lifeng Gao	В	Honorable Mention
3776	Rensselaer Polytechnic Institute	USA	Donald Drew	В	Honorable Mention
3778	Institute of Modern Physics	CHINA	Jihong Dou	В	Honorable Mention
3779	U. Alaska Fairbanks	USA	Orion Lawlor	В	Honorable Mention
3781	Institute of Visualization	CHINA	Liantang Wang	В	Honorable Mention
3794	School of Control Science and Engineering, North	P.R. China	Guotian Yang	В	Honorable Mention
3807	Clarkson University	USA	Katie Fowler	В	Honorable Mention
3811	The University of Iowa	USA	Benjamin Galluzzo	В	Honorable Mention
3814	Harvard University	USA	Clifford Taubes	В	Honorable Mention
3818	Asbury College	USA	David Coulliette	В	Honorable Mention
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Ctrl #	Institution	Country	Advisor	Problem	Designation
3825	Oregon State University	USA	Vrushali Bokil	В	Honorable Mention
2248	South Dakota School of Mines & Technology	USA	Kyle Riley	В	Successful Participant
2262	Sichuan University	P.R.China	Yingyi Tan	В	Successful Participant
2268	Fudan University	China	Zhijie Cai	В	Successful Participant
2287	Beijing Forestry University	P.R. China	Mengning Gao	В	Successful Participant
2307	Nanjing University	China	Ming Kong	В	Successful Participant
2310	Northwest University	P.R.CHINA	YongFeng Xu	В	Successful Participant
2323	Bard College at Simon\'s Rock	United States	Allen Altman	В	Successful Participant
2332	Taiyuan University of Technology	China	Yi-Qiang Wei	В	Successful Participant
2385	Harbin Institute of Technology School of Science	P.R. China	Bo Han	В	Successful Participant
2386	Harbin Institute of Technology School of Science	P.R. China	Bo Han	В	Successful Participant

Institution	Country	Advisor	Problem	Designation
Harbin Institute of Technology Science Faculty	P.R. China	Daohua Li	В	Successful Participant
Harbin Institute of Technolog School of Computer	P.R. China	Chiping Zhang	В	Successful Participant
Harbin Institute of Technology Shiyan School	P.R. China	Kean Liu	В	Successful Participant
Harbin Institute of Technology	China	Xianyu Meng	В	Successful Participant
Harbin Institute of Technology	China	Xianyu Meng	В	Successful Participant
Harbin Institute of Technology	P.R. China	Guofeng Fan	В	Successful Participant
East China Normal University	China	Changhong Lu	В	Successful Participant
Nanjing University	China	Xujie Shen	В	Successful Participant
Shandong University at Weihai	P.R.China	Huaxiang Zhao	В	Successful Participant
Shandong University(Weihai)	P.R.China	Zengchao Mu	В	Successful Participant
northwestern polytechnical university	P.R.China	Zheng Hongchan	В	Successful Participant
	Harbin Institute of Technology Science Faculty Harbin Institute of Technology School of Computer Harbin Institute of Technology Shiyan School Harbin Institute of Technology Harbin Institute of Technology East China Normal University Nanjing University Shandong University at Weihai Shandong University(Weihai)	Harbin Institute of Technology Science Faculty P.R. China Harbin Institute of Technology Shiyan School P.R. China Harbin Institute of Technology China Harbin Institute of Technology China Harbin Institute of Technology P.R. China East China Normal University China Nanjing University China Shandong University at Weihai P.R.China P.R.China P.R.China	Harbin Institute of Technology Science Faculty P.R. China Daohua Li Harbin Institute of Technolog School of Computer P.R. China Chiping Zhang P.R. China Kean Liu Harbin Institute of Technology China Xianyu Meng Harbin Institute of Technology China Xianyu Meng P.R. China Guofeng Fan East China Normal University China Changhong Lu Nanjing University at Weihai P.R.China P.R.China Huaxiang Zhao Shandong University(Weihai) P.R.China Zengchao Mu	Harbin Institute of Technology Science Faculty P.R. China Daohua Li B Harbin Institute of Technolog School of Computer P.R. China Chiping Zhang B Harbin Institute of Technology Shiyan School P.R. China Kean Liu B Harbin Institute of Technology China Xianyu Meng B Harbin Institute of Technology China Xianyu Meng B Harbin Institute of Technology P.R. China Guofeng Fan B East China Normal University China Changhong Lu B Shandong University at Weihai P.R.China Huaxiang Zhao B Shandong University(Weihai) P.R.China Zengchao Mu B

Ctrl #	Institution	Country	Advisor	Problem	Designation
2453	Nankai University	China	Wei Zhang	В	Successful Participant
2459	Heilongjiang institute of technology	China	Dalu Nie	В	Successful Participant
2460	Heilongjiang institute of technology	China	Dalu Nie	В	Successful Participant
2463	Chengdu College of University of Electronic	China	Qiu Wei	В	Successful Participant
2472	China University of Geosciences(Beijing)	China	Shuai Zhang	В	Successful Participant
2483	Zhejiang Sci-Tech University	China	Jiang Yiwei	В	Successful Participant
2484	Zhejiang Sci-Tech University	China	Luo Hua	В	Successful Participant
2489	Southwest Jiaotong University	P.R.China	Yueliang Xu	В	Successful Participant
2490	BEIHANG University	China	Jian Ma	В	Successful Participant
2492	Shandong University	China	Zhang SiHua	В	Successful Participant
2496	Jilin University	P.R.China	Xianrui Lv	В	Successful Participant
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Institution	Country	Advisor	Problem	Designation
College of Science	P.R.China	Jianhua Zhou	В	Successful Participant
Shandong University	P.R.China	Shu HUANG	В	Successful Participant
Renmin University of China	China	Litao Han	В	Successful Participant
Dalian Maritime University	P. R. China	Y. Zhang	В	Successful Participant
Dalian Maritime University, College of Mathematics	P. R. China	Shuqin Yang	В	Successful Participant
Beihang University	China	Sanxing Wu	В	Successful Participant
College of Mathematics And Physics, Zhejiang	P.R.China	Guolong He	В	Successful Participant
College of Computer science And technology,	P.R.China	Zuxiang Sheng	В	Successful Participant
shanghai youth centre of science & technology	China.P.R	Gan Chen	В	Successful Participant
Dalian Neusoft Institute of Information	P. R. China	Qian Wang	В	Successful Participant
Department of Statistics	P.R. China	Bo zhang	В	Successful Participant
	College of Science Shandong University Renmin University of China Dalian Maritime University Dalian Maritime University, College of Mathematics Beihang University College of Mathematics And Physics, Zhejiang College of Computer science And technology, shanghai youth centre of science & technology Dalian Neusoft Institute of Information	College of Science P.R.China Shandong University P.R.China Renmin University of China China Dalian Maritime University P. R. China Dalian Maritime University, College of Mathematics P. R. China Beihang University China College of Mathematics And Physics, Zhejiang P.R.China College of Computer science And technology, P.R.China shanghai youth centre of science & technology China.P.R Dalian Neusoft Institute of Information P. R. China	College of Science P.R.China Jianhua Zhou Shandong University P.R.China Shu HUANG Renmin University of China China Litao Han Dalian Maritime University P. R. China Y. Zhang Dalian Maritime University, College of Mathematics P. R. China Shuqin Yang Beihang University China Sanxing Wu College of Mathematics And Physics, Zhejiang P.R.China Guolong He College of Computer science And technology, P.R.China Zuxiang Sheng Shanghai youth centre of science & technology China.P.R Gan Chen Dalian Neusoft Institute of Information P. R. China Qian Wang	College of Science P.R.China Jianhua Zhou B Shandong University P.R.China Shu HUANG B Renmin University of China China Litao Han B Dalian Maritime University P. R. China Y. Zhang B Dalian Maritime University, College of Mathematics P. R. China Shuqin Yang B Beihang University China Sanxing Wu B College of Mathematics And Physics, Zhejiang P.R.China Guolong He B College of Computer science And technology, P.R.China Zuxiang Sheng B shanghai youth centre of science & technology China.P.R Gan Chen B Dalian Neusoft Institute of Information P. R. China Qian Wang B

Ctrl #	Institution	Country	Advisor	Problem	Designation
2674	South China Agricultural University	China	ShengXian Zhang	В	Successful Participant
2675	South China Agricultural University	China	ShengXian Zhang	В	Successful Participant
2679	Nankai University, Institute of Economics	China	Fang Wang	В	Successful Participant
2681	Chongqing Normal University	P.R.China	Xuewen Liu	В	Successful Participant
2682	Chongqing Normal University	P.R.China	Yan Wei	В	Successful Participant
2688	Shenyang Pharmaceutical University	P. R. China	Rongwu XIANG	В	Successful Participant
2689	Shanghai Sino European School of Technology	China	Fuping Tan	В	Successful Participant
2705	Dalian Nationalities University	China	Xiaoniu Li	В	Successful Participant
2706	Dalian Nationalities University	China	Hengbo Zhang	В	Successful Participant
2708	College of Science, Shanghai University	China	Yongjian Yang	В	Successful Participant
2716	Dalian Nationalities Innovation College	China	Tian Yun	В	Successful Participant

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2720	SHANGHAI FOREIGN LANGUAGE SCHOOL	CHINA	FENG XU	В	Successful Participant
2722	SHANGHAI FOREIGN LANGUAGE SCHOOL	CHINA	WEIPING WANG	В	Successful Participant
2725	College of Science	China	Rendong Ge	В	Successful Participant
2726	College of Science	China	Rendong Ge	В	Successful Participant
2728	College of Science	China	Yumei Ma	В	Successful Participant
2740	College of Science, Shanghai University	China	Yongjian Yang	В	Successful Participant
2741	Shanghai University of Finance & Economics	China	Jialun Du	В	Successful Participant
2744	Information School	P.R.China	HAIYAN LI	В	Successful Participant
2745	School of Information Science and Technology	P.R.China	Haiyan Li	В	Successful Participant
2748	Hefei University of Technology	P.R.China	yongwu Zhou	В	Successful Participant
2753	Hefei University of Technology	P.R.China	Huaming Su	В	Successful Participant

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2756	Zhejiang University	China	Shengyi Cai	В	Successful Participant
2765	Hefei University of Technology	P.R.China	Xueqiao Du	В	Successful Participant
2770	Shanghai University of Finance and Economics	P.R.China	Hao Cha	В	Successful Participant
2771	Simpson College	USA	Murphy Waggoner	В	Successful Participant
2775	Changsha University of Science and Technology	P. R. China	Liang Dai	В	Successful Participant
2777	Changsha University of Science and Technology	P. R. China	Quan Xie	В	Successful Participant
2779	Changsha University of Science and Technology	P. R. China	Liu Tan	В	Successful Participant
2783	Ningbo Institute of Technology, Zhejiang University	P.R.China	Jufeng Wang	В	Successful Participant
2795	Yangzhou University	China	Tao Cheng	В	Successful Participant
2797	Shenzhen Polytechnic	P.R. China	Jue Wang	В	Successful Participant
2801	China Agricultural University	P.R.China	Li GuoHui	В	Successful Participant

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2803	Centenary College of Louisiana	USA	Mark Goadrich	В	Successful Participant
2809	China Agricultural University	P.R.China	Shi YuanChang	В	Successful Participant
2833	Shandong University	China	Xiucai Zheng	В	Successful Participant
2839	MATHS	CHINA	JIAN TIAN	В	Successful Participant
2854	Nanyang Model High School	China	Tuqing Cao	В	Successful Participant
2864	Tongji University	China	Changshui Huang	В	Successful Participant
2873	GUILIN UNIVERSITY OF ELECTRONIC	CHINA	NING ZHU	В	Successful Participant
2887	Shanghai Sino European School of Technology	China	Bingwu He	В	Successful Participant
2900	Dalian University of Technology	P.R.C	Qiuhui Pan	В	Successful Participant
2917	Dalian University of Technology	P.R.C	Mingfeng He	В	Successful Participant
2919	Dalian University of Technology	P.R.C	Lin Feng	В	Successful Participant
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2928	Hebei Polytechnic University	P.R.China	Lihong LI	В	Successful Participant
2929	College of Light Industry, Hebei Polytechnic	P.R.China	Shaohong YAN	В	Successful Participant
2939	Heilongjiang Institute of Science and Technology	P.R. China	Yanhua Yuan	В	Successful Participant
2946	Princeton University	U.S.A.	Warren Powell	В	Successful Participant
2948	Huaiyin Institute of Technology	PR China	Zhuang Yuming	В	Successful Participant
2952	Beijing Jiaotong University	P.R.China	Bingtuan Wang	В	Successful Participant
2953	China Youth University for Political Sciences	P.R.China	Yanxia Zheng	В	Successful Participant
3004	Nantong University	China	Xiaojian Zhou	В	Successful Participant
3031	Beijing Jiaotong University	P.R.China	Weijia Wang	В	Successful Participant
3043	Beijing Jiaotong University	P.R.China	Keqian Dong	В	Successful Participant
3048	Hunan University	China	Changrong Liu	В	Successful Participant

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3052	Peking University	China	Yongqiang Sun	В	Successful Participant	
3058	Nanjing Univ. of Sci. & Tech.	P.R.China	Peibiao Zhao	В	Successful Participant	
3065	Beijing Jiaotong University	P.R.China	Bingli Fan	В	Successful Participant	
3072	Peking University	People's Republic of	Juan Huang	В	Successful Participant	
3077	School of Information,Xi\'an Communication	P.R.China	Jianhang Zhang	В	Successful Participant	
3088	Shanghai Finance University	P. R. China	Xiaobin Li	В	Successful Participant	
3101	School of Eletronics Engineering and Computer	P.R.China	Lida Zhu	В	Successful Participant	
3106	Beijing Univ. of Posts & Telecomm.	PR China	Zuguo He	В	Successful Participant	
3120	Beijing University of Posts and	PR China	Jianhua Yuan	В	Successful Participant	
3153	Chinese University of Hong Kong	Hong Kong	Fung Yu Young	В	Successful Participant	
3160	Wuhan University of Technology	China	He Lang	В	Successful Participant	

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Wuhan University of Technology	China	Chen Jianye	В	Successful Participant
Wuhan University of Technology	China	He Lang	В	Successful Participant
Wuhan University of Technology	China	Mao Shuhua	В	Successful Participant
Wuhan University of Technology	China	Chen Jiaqing	В	Successful Participant
University of Science & Technology of China	China	Xing Gong	В	Successful Participant
Academy of Armored Force Engineering	China	Chen Jianhua	В	Successful Participant
Nanjing University of Posts&Telecommunications	P.R.China	Zhong Qiu	В	Successful Participant
Shenyang Normal University	P.R.C.	Xianji Meng	В	Successful Participant
Dalian Jiao Tong University	P.R.China	Guocan Wang	В	Successful Participant
Dalian Jiaotong University	P.R.China	Da-yong Zhou	В	Successful Participant
University of Guangxi	P.R.China	Yuejin Lv	В	Successful Participant
	Wuhan University of Technology Wuhan University of Technology Wuhan University of Technology University of Science & Technology of China Academy of Armored Force Engineering Nanjing University of Posts&Telecommunications Shenyang Normal University Dalian Jiao Tong University Dalian Jiaotong University	Wuhan University of Technology China Wuhan University of Technology China Wuhan University of Technology China University of Science & Technology of China Academy of Armored Force Engineering China Nanjing University of Posts&Telecommunications P.R.China Shenyang Normal University P.R.C. Dalian Jiao Tong University P.R.China	Wuhan University of Technology China He Lang Wuhan University of Technology China Mao Shuhua Wuhan University of Technology China Mao Shuhua Wuhan University of Technology China Chen Jiaqing University of Science & Technology of China China Xing Gong Academy of Armored Force Engineering China Chen Jianhua Nanjing University of Posts&Telecommunications P.R.China Zhong Qiu Shenyang Normal University P.R.C. Xianji Meng Dalian Jiao Tong University P.R.China Da-yong Zhou	Wuhan University of Technology China He Lang B Wuhan University of Technology China Mao Shuhua B Wuhan University of Technology China Chen Jiaqing B University of Science & Technology China China Xing Gong B Academy of Armored Force Engineering China Chen Jianhua B Nanjing University of Posts&Telecommunications P.R.China Zhong Qiu B Dalian Jiao Tong University P.R.China Guocan Wang B Dalian Jiaotong University P.R.China Da-yong Zhou B

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Anshan Normal University	P. R. C	Liu min	В	Successful Participant	
Anshan Normal University	China	Zhang Chun	В	Successful Participant	
Hong Kong Baptist University	Hong Kong	Chong Sze Tong	В	Successful Participant	
Huazhong University of Science and Technology	China	Liang Gao	В	Successful Participant	
Huazhong University of Science and Technology	China	Zhengyang Mei	В	Successful Participant	
Huazhong University of Science and Technology	China	Yan Dong	В	Successful Participant	
North China Electric Power University	China	Yini Xie	В	Successful Participant	
California State University, Northridge	USA	Gholam-Ali Zakeri	В	Successful Participant	
Northern Kentucky University	USA	Lisa Holden	В	Successful Participant	
Wuhan University	P.R. of CHINA	Chengxiu Gao	В	Successful Participant	
Jiangxi University of Finance and Economics	China	Changshen Hua	В	Successful Participant	
	Anshan Normal University Hong Kong Baptist University Huazhong University of Science and Technology Huazhong University of Science and Technology Huazhong University of Science and Technology North China Electric Power University California State University, Northridge Northern Kentucky University Wuhan University	Anshan Normal University China Hong Kong Baptist University Hong Kong Huazhong University of Science and Technology China Huazhong University of Science and Technology China Huazhong University of Science and Technology China North China Electric Power University China California State University, Northridge USA Northern Kentucky University USA Wuhan University P.R. of CHINA	Anshan Normal University P. R. C Liu min Anshan Normal University China Thang Chun Hong Kong Baptist University Hong Kong Chong Sze Tong Huazhong University of Science and Technology China Liang Gao Huazhong University of Science and Technology China Thangyang Mei Huazhong University of Science and Technology China Yan Dong North China Electric Power University China Yini Xie California State University, Northridge USA Gholam-Ali Zakeri Northern Kentucky University USA Lisa Holden Wuhan University P.R. of CHINA Chengxiu Gao	Anshan Normal University P. R. C Liu min B Anshan Normal University China Zhang Chun B Hong Kong Baptist University Hong Kong Chong Sze Tong B Huazhong University of Science and Technology China Liang Gao B Huazhong University of Science and Technology China Zhengyang Mei B Huazhong University of Science and Technology China Yan Dong B North China Electric Power University China Yini Xie B California State University, Northridge USA Gholam-Ali Zakeri B Northern Kentucky University USA Lisa Holden B Wuhan University P.R. of CHINA Chengxiu Gao B	Anshan Normal University P. R. C Liu min B Successful Participant Anshan Normal University China Zhang Chun B Successful Participant Hong Kong Baptist University Hong Kong Chong Sze Tong B Successful Participant Huazhong University of Science and Technology China Liang Gao B Successful Participant Huazhong University of Science and Technology China Zhengyang Mei B Successful Participant Huazhong University of Science and Technology China Yan Dong B Successful Participant North China Electric Power University China Yini Xie B Successful Participant California State University, Northridge USA Gholam-Ali Zakeri B Successful Participant Northern Kentucky University USA Lisa Holden B Successful Participant Wuhan University P.R. of CHINA Chengxiu Gao B Successful Participant

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3271	Department of Computer Science in Wuhan	China	Hu Yuanming	В	Successful Participant
3272	Wuhan University	P.R China	Gao Chengxiu	В	Successful Participant
3278	Peking University	P.R.CHINA	Minghua Deng	В	Successful Participant
3285	Qufu Normal University	China	Yuzhen Bai	В	Successful Participant
3287	Nanjing university of Finance & Economy	People's Republic of	Chen Meixia	В	Successful Participant
3288	South China Normal University	China	Shaohui Zhang	В	Successful Participant
3298	Zhengzhou Institute of Science	People's Republic of	Jianfeng Guo	В	Successful Participant
3312	Westchester Community College	United States	Marvin Littman	В	Successful Participant
3313	Mills E. Godwin High School	USA	Ann Sebrell	В	Successful Participant
3342	Electric Science	China	Xiaoding Shi	В	Successful Participant
3343	Beijing University of Chemical Technology	China	Hui Liu	В	Successful Participant

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3349	Angelo State University	USA	Karl Havlak	В	Successful Participant
3353	Gettysburg College	USA	Benjamin Kennedy	В	Successful Participant
3357	Wuhan University	R.P.China	Xinqi Hu	В	Successful Participant
3359	University of Central Missouri	USA	Nicholas Baeth	В	Successful Participant
3366	University of Massachusetts Lowell	USA	James Graham-Eagle	В	Successful Participant
3369	Inner Mongolia University	P.R.China	Zhuang Ma	В	Successful Participant
3380	National University of Defense Technology	P. R. China	Lizhi Cheng	В	Successful Participant
3404	civil aviation university of China	China	di chen	В	Successful Participant
3409	Zhejiang University City College	PRC	Xusheng Kang	В	Successful Participant
3428	shenyang university of technology	china	yan chen	В	Successful Participant
3447	Shanghai Jiaotong University	P.R.China	Baorui Song	В	Successful Participant

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3449	Shanghai Jiaotong University	P.R.China	Jianguo Huang	В	Successful Participant
3458	chengdu university of technology	P.R.China	yuan yong	В	Successful Participant
3459	Wuhan University	P.R.China	Yuanming Hu	В	Successful Participant
3489	Beijing Institute of Technology	China	Houbao XU	В	Successful Participant
3548	Zhengzhou Institute of Surveying and Mapping	People's Republic of	Li Guohui	В	Successful Participant
3551	Beijing Wuzi University	China	Advisor Bwu	В	Successful Participant
3554	Xuhui Branch of Shanghai Jiaotong University	P.R.China	Xiaojun Liu	В	Successful Participant
3559	Zhengzhou Institute of Surveying and Mapping	People's Republic of	Shi Bin	В	Successful Participant
3582	Wuhan University	China	Yuanming Hu	В	Successful Participant
3589	Sacred Heart University	USA	Peter Loth	В	Successful Participant
3596	Rose-Hulman Institute of Technology	USA	William Galinaitis	В	Successful Participant

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3617	Nanjing University of Posts & Telecommunications	P.R.China	Aiju Shi	В	Successful Participant
3622	GanNan Normal University	China	Xie Hua	В	Successful Participant
3623	GanNan Normal University	China	Xu Fei	В	Successful Participant
3627	Wuhan University of Science and Technology	China	The Team	В	Successful Participant
3629	Wuhan University of Science and Technology	China	The Team	В	Successful Participant
3638	Peking University	P. R. China	Xin Yi	В	Successful Participant
3639	Nanjing Normal University	P.R. China	Zhu Sheng	В	Successful Participant
3642	Civil Aviation University of China	China	Chunli Li	В	Successful Participant
3650	Taiyuan Institute of Technology	China	Xiao Ren Fan	В	Successful Participant
3656	Taiyuan Institute of Technology	China	Fan Xiaoren	В	Successful Participant
3659	GuangXi Teachers Education University	China	Su Huadong	В	Successful Participant
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3660	GuangXi Teachers Education University	China	Chen Jianwei	В	Successful Participant
3663	University of Science and Technology of China	China	Dong Li	В	Successful Participant
3671	education science&technology	china	lin muhui	В	Successful Participant
3675	University of Delaware	USA	John Pelesko	В	Successful Participant
3678	Shenyang Institute of Aeronautical Engineering	P.R.China	Liu Weifang	В	Successful Participant
3686	Trinity University	USA	Peter Olofsson	В	Successful Participant
3691	Duke University	USA	Dan Lee	В	Successful Participant
3715	California State Polytechnic University, Pomona	USA	Joe Latulippe	В	Successful Participant
3718	Cal-Poly Pomona	USA	Nina Abramzon	В	Successful Participant
3721	California State Polytechnic University, Pomona	USA	Kurt Vandervoort	В	Successful Participant
3732	Rowan University	USA	Paul Laumakis	В	Successful Participant

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3737	Päivölä College of Mathematics	Finland	Merikki Lappi	В	Successful Participant
3741	Siena Heights University	USA	Tim Husband	В	Successful Participant
3744	Salisbury University	USA	Troy Banks	В	Successful Participant
3763	Wuhan University	China(PRC)	Yuanming Hu	В	Successful Participant
3769	Westminster College	USA	Carolyn Cuff	В	Successful Participant
3774	New Mexico Institute of Mining and Technology	USA	John Starrett	В	Successful Participant
3793	Dalian University of Technology	P.R.C	Mingfeng He	В	Successful Participant
3800	Morehead State University	USA	Michael Dobranski	В	Successful Participant
3801	Clarkson University	United States	joseph skufca	В	Successful Participant
3802	Mount St. Mary\'s University	USA	Fred Portier	В	Successful Participant
3828	Midlands Technical College	USA	John Long	В	Successful Participant