2010 Interdisciplinary Contest in Modeling Press Release—April 1, 2010

COMAP is pleased to announce the results of the 12th annual Interdisciplinary Contest in Modeling (ICM). This year 356 teams representing institutions from four countries participated in the contest. Four teams were designated as OUTSTANDING WINNERS:

Carroll College, Helena, MT (INFORMS Prize) Beijing Jiaotong University, Beijing, China Hangzhou Dianzi University, Hangzhou, China Lawrence University, Appleton, WI

This year's contest ran from Thursday, February 18 to Monday, February 22, 2010. During that time, teams of three students researched, analyzed, modeled, and communicated a solution to an open-ended interdisciplinary modeling problem. The 2010 ICM was primarily an online contest, where teams registered, obtained contest materials, and downloaded the problem statement and data at the prescribed time through COMAP's ICM Website.

This year's environmental sciences problem was extremely complex and challenging. It required teams to make decisions on challenges in areas of physical oceanography, marine ecology, and environmental modeling. Teams were required to build effective models to confront these challenging issues and understand the complexity of pollution in the oceans. The problem contained many complex and multifaceted issues to be analyzed and had several challenging requirements calling for innovative scientific and mathematical modeling and analysis. This problem also had the ever-present ICM requirements to use data analysis and creativity along with effective communication. The author of the problem was Miriam Goldstein, Scripps Institute of Oceanography, CA, and the problem originated from her own professional research.

The Four Outstanding solution papers will be published in *The UMAP Journal*, along with commentaries from the problem author and judges. All the members of the 356 competing teams are to be congratulated for their excellent work and enthusiasm for scientific and mathematical modeling and interdisciplinary problem solving. This year's judges remarked that despite the challenging problem with myriad difficult tasks, the quality of the modeling, analysis, and presentation was high.

2010 ICM Statistics

- 356 teams participated
- 23 U.S. Teams (6%)
- 333 Foreign Teams (94%) from Indonesia, China and Malaysia
- 4 Outstanding Winners (1%)
- 6 Finalists (2%)
- 45 Meritorious Winners (13%)
- 120 Honorable Mentions (33%)
- 181 Successful Participants (51%)

ICM is associated with COMAP's Mathematical Contest in Modeling (MCM), which is held during the same weekend. ICM is designed to develop and advance interdisciplinary problem-solving skills in science, technology, engineering, mathematics (STEM), as well as competence in written communication. The first four interdisciplinary problems involved concepts from environmental science, biology, chemistry, and/or resource management. The next three ICM problems involved operations research, information science, environmental science, and interdisciplinary issues in security and safety. The next three contest problems involved public health. This year's problem returned to the environmental area. Each team is expected to include advisors and team members who represent a range of disciplinary interests in applied problem solving and modeling.

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

Major start-up funding for the ICM was provided by a grant from the National Science Foundation (through Project INTERMATH) and COMAP. Additional support is provided by The Institute for Operations Research and the Management Sciences (INFORMS) and IBM. 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, workers, and community leaders.



Major funding provided by The National Science Foundation

Contest Directors Chris Arney, U. S. Army Research Office, NC Joseph Myers, United States Military Academy, NY



Administered by The Consort ium for Mathematics and Its Applications

Executive Director Solomon A. Garfunkel, COMAP, Inc., MA

Associate Director Rod Sturdivant, United States Military Academy, NY

Ctrl #	Institution	Country	Advisor	Problem	Designation	
6947	Beijing Jiaotong University	China	Bingtuan Wang	С	Outstanding Winner	
7812	Lawrence University	USA	Stefan Debbert	С	Outstanding Winner	
8048	Hangzhou Dianzi University	P. R. China	Zheyong Qiu	С	Outstanding Winner	
8088	Carroll College	USA	Philip Rose	С	Outstanding Winner	INFORMS Award
6222	Harbin Institute of Technology	China	Yu Xiao	С	Finalist	
6824	Chongqing University	P.R.China	Qu Gong	С	Finalist	
7619	Universiti Teknologi MARA	Malaysia	Rasimah Aripin	С	Finalist	
7698	Simpson College	USA	Deb Czarneski	С	Finalist	
7919	USMA	USA	Robert Wooster	С	Finalist	
8063	China University of Mining and Technology	P.R.China	Wu Zongxiang	С	Finalist	
5938	Fudan University	P. R. China	Zhijie Cai	С	Meritorious Winner	

Ctrl #	Institution	Country	Advisor	Problem	Designation
5966	Zhuhai College of Jinan University	china	Zhang Yuanbiao	С	Meritorious Winner
5982	Harbin Institute of Technology	China	Ru Fang	С	Meritorious Winner
5997	East China University of Science and Technology	China	Kunping Zhu	С	Meritorious Winner
6025	Harbin Institute of Technology	China	Yunfei Zhang	С	Meritorious Winner
6111	Northwestern Polytechnical University	P.R. China	Xiao Huayong	С	Meritorious Winner
6164	University of Science and Technology, Department	China	Yueyi Zhang	С	Meritorious Winner
6180	Xidian University	P.R.China	Youlong YANG	С	Meritorious Winner
6181	School of Science,Xidian university	China	Xuewen Mu	С	Meritorious Winner
6216	Harbin Institute of Technology	China	Xiaofeng Shi	С	Meritorious Winner
6312	Southeast University	The People's	Xingang Jia	С	Meritorious Winner
6315	Southeast University	The People's	Xiang Yin	С	Meritorious Winner

Ctrl #	Institution	Country	Advisor	Problem	Designation
6322	Southeast University	The People's	Jun Huang	С	Meritorious Winner
6383	harbin engineering university	P.R.China	dai yuntao	С	Meritorious Winner
6408	Shaoxing University	The People's	Weihong Chen	С	Meritorious Winner
6419	Beiijng Institute of Technology	China	Liang Cai	С	Meritorious Winner
6637	Southeast University	China	Qibao Jiang	С	Meritorious Winner
6734	Zhejiang University	P. R. China	Shengyi Cai	С	Meritorious Winner
6870	Shenzhen polytechnic	China	Zhiyong Liu	С	Meritorious Winner
6961	Shandong University	P.R.China	Yunxin LIU	С	Meritorious Winner
6983	University of International Business and Economics	China	YONG YANG	С	Meritorious Winner
7051	Beiijng Institute of Technology	China	Hong-Ying Man	С	Meritorious Winner
7109	Zhejiang University of Science and Technology	China	Liping Sun	С	Meritorious Winner

Ctrl #	Institution	Country	Advisor	Problem	Designation
7154	University of Science and Technology of China	P.R.CHINA	YANG CHEN	С	Meritorious Winner
7160	School of Mathematical Sciences	China	Ruo Li	С	Meritorious Winner
7205	Ningbo Institute of Technology, Zhejiang University	PR China	Jufeng Wang	С	Meritorious Winner
7275	Central University of Finance and Economics	China	Donghong Li	С	Meritorious Winner
7312	Nanjing University of Posts and	The People's	Kong Gaohua	С	Meritorious Winner
7459	School of Telecomm. Eng.,Beijing Univ. of Posts	China	Jianhua Yuan	С	Meritorious Winner
7583	Stevenson University	USA	Eileen McGraw	С	Meritorious Winner
7625	Shandong University at Weihai	P.R.China	Jing Li	С	Meritorious Winner
7687	Simpson College	USA	William Schellhorn	С	Meritorious Winner
7699	Simpson College	USA	Pat Singer	С	Meritorious Winner
7700	Simpson College	USA	Pat Singer	С	Meritorious Winner

Ctrl #	Institution	Country	Advisor	Problem	Designation
7744	Peking University Health Science Center	P.R.China	An Jinbing	С	Meritorious Winner
7745	Peking University Health Science Center	P.R.China	An Jinbing	С	Meritorious Winner
7794	Peking University	P.R.China	Minghua Deng	С	Meritorious Winner
7798	Southwest University	China	Lei Deng	С	Meritorious Winner
7806	Sun Yat-sen University	The People's	Yanhui Li	С	Meritorious Winner
8198	Humboldt State University	USA	Brad Finney	С	Meritorious Winner
8264	Capital University of Economics and Business	The People's	Jun Du	С	Meritorious Winner
8288	Jiangsu Houji Senior High School	P.R.China	Gai Renyong	С	Meritorious Winner
8310	Capital University	USA	Paula Federico	С	Meritorious Winner
8402	Zhengzhou University	China	Weihang Shi	С	Meritorious Winner
8413	University of South Florida	USA	Brian Curtin	С	Meritorious Winner

Ctrl #	Institution	Country	Advisor	Problem	Designation
5934	China Pharmaceutical University	China	Fang Hu	С	Honorable Mention
5946	Zhuhai College of Jinan University	China	Zhi-Wei Wang	С	Honorable Mention
5963	Zhuhai College of Jinan University	china	Yuan-Biao zhang	С	Honorable Mention
5975	Harbin Institute of Technology	China	Wei Shang	С	Honorable Mention
5988	Harbin Institute of Technology	China	Baodong Zheng	С	Honorable Mention
6020	Harbin Institute of Technology	China	Chiping Zhang	С	Honorable Mention
6022	Harbin Institute of Technology	China	Tong Zheng	С	Honorable Mention
6028	Harbin Institute of Technology	China	Kean Liu	С	Honorable Mention
6042	Peking University	P.R.China	Guan Huang	С	Honorable Mention
6043	Peking University	P.R.China	Guan Huang	С	Honorable Mention
6051	Dalian Maritime University	P. R. China	Yun Zhang	С	Honorable Mention

Ctrl #	Institution	Country	Advisor	Problem	Designation
6063	Dalian Maritime University	P. R. China	Yunjie Zhang	С	Honorable Mention
6075	Dalian Maritime University	P. R. China	Xiangpeng Kong	С	Honorable Mention
6086	Zhuhai College of Jinan University	china	Zhang Yuanbiao	С	Honorable Mention
6095	Zhuhai College of Jinan University	china	Yunbiu Zhang	С	Honorable Mention
6112	Northwestern Polytechnical University	P.R. China	Xiao Huayong	С	Honorable Mention
6113	Northwestern Polytechnical University	P.R. China	Min Zhou	С	Honorable Mention
6114	Northwestern Polytechnical University	P.R. China	Quanyi Lv	С	Honorable Mention
6115	Northwestern Polytechnical University	P.R. China	Zhanbin Yuan	С	Honorable Mention
6208	Harbin Institute of Technology	China	Guanghong Jiao	С	Honorable Mention
6264	Zhejiang Sci-Tech University	P.R.China	Shuguang Han	С	Honorable Mention
6271	Sichuan Agricultural University	China	Shiping Du	С	Honorable Mention

Ctrl #	Institution	Country	Advisor	Problem	Designation	
6279	Beijing Institute of Technology	P. R. China	Chun-Lei Cao	С	Honorable Mention	
6311	Southeast University	The People's	Xingang Jia	С	Honorable Mention	
6316	Southeast University	The People's	Xiang Yin	С	Honorable Mention	
6321	Southeast University	The People's	Jun Huang	С	Honorable Mention	
6331	Southeast University	China	Enshui Chen	С	Honorable Mention	
6332	Southeast University	China	Enshui Chen	С	Honorable Mention	
6349	Harbin Institute of Technology	China	Rongning Xiaofang Li	С	Honorable Mention	
6358	Beijing Language and Culture University	China	Yonggang Fu	С	Honorable Mention	
6381	Harbin Engineering University	P.R.China	wang xiaoying	С	Honorable Mention	
6389	harbin engineering university	P.R.China	zheng xiongbo	С	Honorable Mention	
6393	harbin engineering university	P.R.China	sun wei	С	Honorable Mention	

Ctrl #	Institution	Country	Advisor	Problem	Designation
6436	Zhejiang Normal University	China	Qu Youtian	С	Honorable Mention
6517	Zhejiang Normal University	China	Wang jianfei	С	Honorable Mention
6518	Zhejiang Normal University	China	Wang jianfei	С	Honorable Mention
6643	Southeast University	China	Zhiqiang Zhang	С	Honorable Mention
6727	University of Science and Technology Beijing	China	Jing Zhu	С	Honorable Mention
6728	University of Science and Technology Beijing	China	Hu Zhixing	С	Honorable Mention
6731	Zhejiang University	P. R. China	Qifan Yang	С	Honorable Mention
6745	Zhejiang University	P. R. China	Ling Lin	С	Honorable Mention
6764	University of Science and Technology Beijing	China	Jing Zhu	С	Honorable Mention
6821	Shandong University	P.R.China	Yuhai ZHANG	С	Honorable Mention
6825	Chongqing University	P.R.China	Qu Gong	С	Honorable Mention

Ctrl #	Institution	Country	Advisor	Problem	Designation
6841	Dalian University of Technology	P.R.China	Qiuhui Pan	С	Honorable Mention
6851	Dalian University of Technology	P.R.China	Qiuhui Pan	С	Honorable Mention
6868	Peking University	China	Lu Zhang	С	Honorable Mention
6905	Dalian University of Technology	China	Zhen Wang	С	Honorable Mention
6907	Dalian University of Technology	P.R.China	Zhen Wang	С	Honorable Mention
6917	Dalian University of Technology	P.R.China	Liang Zhang	С	Honorable Mention
6919	University of Science and Technology Beijing	China	Ai Dongmei	С	Honorable Mention
6926	Dalian University of Technology	P.R.China	Lin Feng	С	Honorable Mention
6949	Beijing Jiaotong University	China	Bingli Fan	С	Honorable Mention
6956	Beijing Normal University	China	Li Cui	С	Honorable Mention
6970	Dalian University of Technology	P.R.China	Tao Sun	С	Honorable Mention

Ctrl #	Institution	Country	Advisor	Problem	Designation
6978	Dalian University of Technology	P.R.China	Yiming Li	С	Honorable Mention
7112	Harbin University of Science and Technology	China	Zhihui Wu	C	Honorable Mention
7147	Shanghai Finance University	P. R. China	Keyan Wang	С	Honorable Mention
7175	University of Electronic Science and Technology of	P. R. China	Yong Zhang	С	Honorable Mention
7176	University of Electronic Science and Technology of	P. R. China	GuoLiang He	C	Honorable Mention
7281	South China Agricultural University	China	Zeng Qingmao	С	Honorable Mention
7320	Beijing Jiaotong University	China	Yongsheng Wei	С	Honorable Mention
7353	School of Sci., Beijing Univ. of Posts & Telecomm.	China	Jinkou Ding	С	Honorable Mention
7355	Zhejiang University City College	PRC	Xueyong Yu	С	Honorable Mention
7417	Zhengzhou Information Engineering Institute	China	Jianping Du	С	Honorable Mention
7444	Beijing Univ. of Posts & Telecomm.	China	Qing Zhou	С	Honorable Mention

Ctrl #	Institution	Country	Advisor	Problem	Designation
7447	Beijing Univ. of Posts & Telecomm.	China	Xueli Wang	С	Honorable Mention
7451	School of Telecomm. Eng.,Beijing Univ. of Posts	China	Zuguo He	С	Honorable Mention
7457	School of Telecomm. Eng.,Beijing Univ. of Posts	China	Xueli Wang	С	Honorable Mention
7497	Shenyang Institute of Aeronautical Engineering	China	Bo Jiang	С	Honorable Mention
7572	Nanjing University	China	Min Kong	С	Honorable Mention
7600	Jinan University	China	Daiqiang HU	С	Honorable Mention
7603	Anhui University	China	Ligang Zhou	С	Honorable Mention
7605	Jinan University	China	CHUANLIN ZHANG	С	Honorable Mention
7606	Anhui University	China	Huayou Chen	С	Honorable Mention
7610	Jinan University	China	SHIQI YE	С	Honorable Mention
7626	Anhui University	China	Xuejun Wang	С	Honorable Mention

Ctrl #	Institution	Country	Advisor	Problem	Designation
7653	South China University of Technology	China	Qing Liu	С	Honorable Mention
7681	Central University of Finance and Economics	China	xianjun yin	С	Honorable Mention
7704	Simpson College	USA	Paul Craven	С	Honorable Mention
7725	Capital University of Economics and Business	P.R.China	Xing Fang	С	Honorable Mention
7741	China University of Mining and Technology	P.R.China	Zhang Xingyong	С	Honorable Mention
7749	Peking Universtiy	P.R. China	Yuanchao Liu	С	Honorable Mention
7754	Fujian Agriculture and Forestry University	China	Yong Jiang	С	Honorable Mention
7764	Peking University	China	Wei Wang	С	Honorable Mention
7767	China University of Mining and Technology	P.R.China	Jiang Shujuan	С	Honorable Mention
7822	China University of Petroleum-Beijing	P.R. China	Ling Zhao	С	Honorable Mention
7833	Harbin Institute of Technology	China	Xiaoping Ji	С	Honorable Mention

Ctrl #	Institution	Country	Advisor	Problem	Designation
7848	Harbin Institute of Technology	China	Jing Jin	С	Honorable Mention
7879	Harbin Institute of Technology	China	Hongzhi Wang	С	Honorable Mention
7885	Harbin Institute of Technology	China	Weiyi Han	С	Honorable Mention
7887	Harbin Institute of Technology	China	Fengchen Li	С	Honorable Mention
7891	Harbin Institute of Technology	China	Zhe Zhang	С	Honorable Mention
7898	Harbin Institute of Technology	China	Yang Bai	С	Honorable Mention
7909	University of Science and Technology of China	P.R.China	Bo Xia	С	Honorable Mention
7955	Zhejiang University of Technology	P.R.China	Wenxin Zhuo	С	Honorable Mention
7958	Zhejiang University of Technology	P.R.China	Junquan Song	С	Honorable Mention
7959	Zhejiang University of Technology	P.R.China	Junquan Song	С	Honorable Mention
7961	Zhejiang University of Technology	P.R.China	Yongqi Li	С	Honorable Mention

Ctrl #	Institution	Country	Advisor	Problem	Designation
7975	Hefei University of Techonology	P.R.China	Jinju Wang	С	Honorable Mention
7986	Zhejiang Gongshang University	P.R.China	Hua Jiukun	С	Honorable Mention
8001	China University of Mining and Technology	P.R.China	Zhang Yan	С	Honorable Mention
8014	China Pharmaceutical University	China	Fangrong Yan	С	Honorable Mention
8030	University of Wisconsin-Platteville	USA	Leonida Ljumanovic	С	Honorable Mention
8055	Hangzhou Dianzi University	P. R. China	Wei Li	С	Honorable Mention
8058	Hangzhou Dianzi University	P. R. China	Zongmao Cheng	С	Honorable Mention
8129	National University of Defense Technology	P. R. China	Xiaojun Duan	С	Honorable Mention
8253	Capital University of Economics and Business	The People's	Xue Li	С	Honorable Mention
8257	Capital University of Economics and Business	The People's	Jiang Chen	С	Honorable Mention
8258	Capital University of Economics and Business	The People's	Hui Hu	С	Honorable Mention

Ctrl #	Institution	Country	Advisor	Problem	Designation	
8259	Capital University of Economics and Business	The People's	Hui Hu	С	Honorable Mention	
8261	Capital University of Economics and Business	The People's	Hongliang Shen	С	Honorable Mention	
8274	PLA University of Science and Technology	P.R.China	Yao Kui	С	Honorable Mention	
8275	PLA University of Science and Technology	P.R.China	Zhao Ying	С	Honorable Mention	
8278	PLA University of Science and Technology	P.R.China	Zhang Gui	С	Honorable Mention	
8280	PLA University of Science and Technology	P.R.China	Zheng Qin	С	Honorable Mention	
8356	Xuzhou No.1 High School of Jiangsu	P.R.China	Luo Dongfeng	С	Honorable Mention	
8432	University of Wisconsin-La Crosse	USA	Barbara Bennie	С	Honorable Mention	
8489	Asbury College	USA	David Coulliette	С	Honorable Mention	
8544	Xiamen University	China	Xueying Huang	С	Honorable Mention	
5933	China Pharmaceutical University	China	Fangrong Yan	С	Successful Participa	nt

Ctrl #	Institution	Country	Advisor	Problem	Designation
5940	Fudan University	P. R. China	Yuan Cao	С	Successful Participant
5948	Zhuhai College of Jinan University	china	Zhi-Wei Wang	С	Successful Participant
5953	East China Normal University	P.R CHINA	Zhu Liping	С	Successful Participant
5960	Packaging Engineering Institute	china	Yuan-Biao zhang	С	Successful Participant
5968	Math	P.R.China	Jie Zhou	С	Successful Participant
6046	Peking University	P.R.China	Zhiwei Tong	С	Successful Participant
6058	Dalian Maritime University	P. R. China	Naxin Chen	С	Successful Participant
6103	Dalian University of Technology	China	Huang Hui	С	Successful Participant
6136	Dalian University of Technology	China	Yang Liu	С	Successful Participant
6138	Dalian University of Technology	China	Kun Lu	С	Successful Participant
6166	Anhui University of Architecture	PRC	Qilang Li	С	Successful Participant

Ctrl #	Institution	Country	Advisor	Problem	Designation
6183	School of Science,Xidian university	China	Xiaogang QI	С	Successful Participant
6195	Shandong Economic University	China	Bo Zhou Yunfeng	С	Successful Participant
6215	Harbin Institute of Technology	China	Xiaofeng Shi	С	Successful Participant
6224	Harbin Institute of Technology	China	Zhenfeng Shi	С	Successful Participant
6233	East China Normal University	China	Ping WU	С	Successful Participant
6244	Peking University	China	Zhijian Chen	С	Successful Participant
6299	Sichuan Agricultural University	China	Li Cheng	С	Successful Participant
6376	Harbin Engineering University	P.R.China	Wang Shujuan	С	Successful Participant
6437	Zhejiang Normal University	China	Qu Youtian	С	Successful Participant
6490	harbin engineering university	P.R.China	gao zhenbin	С	Successful Participant
6491	harbin engineering university	P.R.China	gao zhenbin	С	Successful Participant

Ctrl #	Institution	Country	Advisor	Problem	Designation
6500	Capital University of Economics and Business	P.R.China	Xing Fang	С	Successful Participant
6519	Zhejiang Normal University	China	Zhang Huajun	С	Successful Participant
6524	Zhejiang Normal University	China	Bu yuehua	С	Successful Participant
6529	Zhejiang Normal University	China	Wang meijun	С	Successful Participant
6533	Zhejiang Normal University	China	Xu Xiubing	С	Successful Participant
6557	harbin engineering university	P.R.China	fan zhaobing	С	Successful Participant
6571	harbin engineering university	P.R.China	shi jiuyu	С	Successful Participant
6588	harbin engineering university	P.R.China	li tong	С	Successful Participant
6590	harbin engineering university	P.R.China	li tong	С	Successful Participant
6595	Century College, Beijing University of Posts and	China	Weibing Hua	С	Successful Participant
6600	Hong Kong Baptist University	China	Kwong Ip Liu	С	Successful Participant

Ctrl #	Institution	Country	Advisor	Problem	Designation
6602	Hong Kong Baptist University	China	Man Lai Tang	С	Successful Participant
6628	University of Science and Technology Beijing	China	Zhu Jing	С	Successful Participant
6639	Southeast University	China	Qibao Jiang	С	Successful Participant
6640	Southeast University	China	Zhizhong Sun	С	Successful Participant
6641	Southeast University	China	Zhizhong Sun	С	Successful Participant
6642	Southeast University	China	Zhiqiang Zhang	С	Successful Participant
6664	harbin engineering university	P.R.China	guo cui	С	Successful Participant
6666	harbin engineering university	P.R.China	guo cui	С	Successful Participant
6677	harbin engineering university	P.R.China	chai yanyou	С	Successful Participant
6681	College of Computer Science and Engineering,	China	Hengbo Zhang	С	Successful Participant
6692	Dalian Nationalities University	China	Xiaodong Liu	С	Successful Participant

Ctrl #	Institution	Country	Advisor	Problem	Designation
6703	Shandong University	P.R.China	Yuhai ZHANG	С	Successful Participant
6712	Xi'an Jiaotong University	China	Wenjing Yan	С	Successful Participant
6738	Zhejiang University	P. R. China	Zhiyi Tan	С	Successful Participant
6743	Zhejiang University	P. R. China	Peng Dai	С	Successful Participant
6750	Zhejiang University	P. R. China	Xinxin Xu	С	Successful Participant
6765	University of International Business and Economics	China	Weixing Wu	С	Successful Participant
6768	University of Science and Technology of China	P.R.China	Panxu Zhang	С	Successful Participant
6775	East China University of Science and Technology	China	Lu Xiwen	С	Successful Participant
6779	East China University of Science and Technology	China	Qian Xiyuan	С	Successful Participant
6798	Shanghai University	PR China	Wu Donghua	С	Successful Participant
6809	Anhui University of Architecture	China	Jie Min	С	Successful Participant

Ctrl #	Institution	Country	Advisor	Problem	Designation
6810	University of Science and Technology Beijing	China	Zhixing Hu	С	Successful Participant
6811	Physics School	China	Yi-an Lei	С	Successful Participant
6869	Shenzhen polytechnic	China	Wei DongPing	С	Successful Participant
6873	Shenzhen polytechnic	China	hong Zheng	С	Successful Participant
6879	Shenzhen polytechnic	China	SongRu Qi	С	Successful Participant
6880	Shenzhen polytechnic	China	Kui Luo	С	Successful Participant
6881	Shenzhen polytechnic	China	Bing Liang	С	Successful Participant
6883	Shenzhen polytechnic	China	Wenzhi Wang	С	Successful Participant
6901	Dalian University of Technology	China	Zhen Wang	С	Successful Participant
6908	Dalian University of Technology	P.R.China	Zhen Wang	С	Successful Participant
6909	School Of Mathematics Central South University	China	Zhang H.Y	С	Successful Participant

Ctrl #	Institution	Country	Advisor	Problem	Designation
6988	Xuhai College of China University of Mining and	China	Zhang Wei	С	Successful Participant
6989	The University of International Business &	The People's	Jin Chen	С	Successful Participant
6992	University of International Business and Economics	PR.China	Baoming Dong	С	Successful Participant
6998	University of International Business and Economics	China	pingyao lai	С	Successful Participant
7003	Southeast University	China	Guanjun Wang	С	Successful Participant
7004	Southeast University	China	Guanjun Wang	С	Successful Participant
7016	Shandong University	P.R.China	Chunyuan MA	С	Successful Participant
7018	Chang'an University	China	Zhang di	С	Successful Participant
7024	Dalian University of Technology	P.R.China	Zhenyu Wu	С	Successful Participant
7029	University of International Business and Economics	The People's	Lizhuo Zhang	С	Successful Participant
7045	Beiijng Institute of Technology	China	Liang Cai	С	Successful Participant

Ctrl #	Institution	Country	Advisor	Problem	Designation
7065	Chongqing University	P.R.China	Shengjie Li	С	Successful Participant
7066	Mathematical Modeling Innovative Practice Base	China	Jianwen Xie	С	Successful Participant
7140	Jilin University	China	Guoming Wang	С	Successful Participant
7166	University of International Business and Economics	China	Rui Wang	С	Successful Participant
7182	Jilin University Zhuhai College	China	Xin Qi	С	Successful Participant
7192	university of international business and economics	China	Xuejiao Liu	С	Successful Participant
7206	Ningbo Institute of Technology, Zhejiang University	PR China	Jufeng Wang	С	Successful Participant
7211	Ningbo Institute of Technology, Zhejiang University	PR China	Zhening Li	С	Successful Participant
7214	Jilin University	China	Xiuling Yao	С	Successful Participant
7224	Beijing Jiaotong University	China	Weijia Wang	С	Successful Participant
7227	University of Electronic Science and Technology of	P. R. China	Hongfei Du	С	Successful Participant

Ctrl #	Institution	Country	Advisor	Problem	Designation
7228	University of Electronic Science and Technology of	P. R. China	Yong Zhang	С	Successful Participant
7232	University of Electronic Science and Technology of	P. R. China	Jian Gao	С	Successful Participant
7244	Beijing Jiaotong University	China	Ping Zhao	С	Successful Participant
7250	Beijing Jiaotong University	China	Kangkang Xu	С	Successful Participant
7258	Beijing Jiaotong University	China	Minghui Liu	С	Successful Participant
7271	University of International Business and Economics	China	Qiang Wang	С	Successful Participant
7282	South China Agricultural University	China	Fang Shaomei	С	Successful Participant
7283	South China Agricultural University	China	Zeng Qingmao	С	Successful Participant
7307	Chongqing University	P.R.China	Yonglu Shu	С	Successful Participant
7317	Beijing Jiaotong University	China	Jing Wang	С	Successful Participant
7333	South China Normal University	China	Tan Yang	С	Successful Participant

Ctrl #	Institution	Country	Advisor	Problem	Designation
7337	South China Normal University	China	Shaohui Zhang	С	Successful Participant
7342	School of Sci., Beijing Univ. of Posts & Telecomm.	China	Zuguo He	С	Successful Participant
7344	School of Sci., Beijing Univ. of Posts & Telecomm.	China	Hongxiang Sun	С	Successful Participant
7346	Zhejiang University City College	PRC	Xusheng Kang	С	Successful Participant
7348	Zhejiang University City College	PRC	Xusheng Kang	С	Successful Participant
7352	Zhejiang University City College	PRC	Gui Wang	С	Successful Participant
7376	Beijing Univ. of Posts & Telecomm.	China	Jianhua Yuan	С	Successful Participant
7397	Nanjing University of Posts & Telecommunications	China	Li-Wei Xu	С	Successful Participant
7404	Sichuan University	The People's	Jin Deng	С	Successful Participant
7438	Beijing Univ. of Posts & Telecomm.	China	Lixia Wang	С	Successful Participant
7453	School of Telecomm. Eng.,Beijing Univ. of Posts	China	Hongxiang Sun	С	Successful Participant
4					

Ctrl #	Institution	Country	Advisor	Problem	Designation
7456	School of Telecomm. Eng.,Beijing Univ. of Posts	China	Xiaoxia Wang	С	Successful Participant
7480	School of Science,Xidian university	China	Xiaogang QI	С	Successful Participant
7486	Shenyang Institute of Aeronautical Engineering	China	Xiaoyuan Wang	С	Successful Participant
7487	Shenyang Institute of Aeronautical Engineering	China	Dan Wang	С	Successful Participant
7489	Shenyang Institute of Aeronautical Engineering	China	Shengwu Yang	С	Successful Participant
7494	Shenyang Institute of Aeronautical Engineering	China	Yunqing Chen	С	Successful Participant
7499	Shenyang Institute of Aeronautical Engineering	China	Yujie Sang	С	Successful Participant
7518	Henan Normal University	China	Suqin Lou	С	Successful Participant
7539	Nanjing University of Posts and	P.R.China	Qiu Zhonghua	С	Successful Participant
7574	Fujian Agriculture and Forestry University	China	Lurong Wu	С	Successful Participant
7582	Central University of Finance and Economics	USA	xianjun yin	С	Successful Participant

Ctrl #	Institution	Country	Advisor	Problem	Designation
7584	Stevenson University	USA	Eileen McGraw	С	Successful Participant
7612	Jinan University	China	SHIQI YE	С	Successful Participant
7738	Worcester Polytechnic Institute	USA	Suzanne Weekes	С	Successful Participant
7827	Harbin Institute of Technology	China	Xianyu Meng	С	Successful Participant
7830	Harbin Institute of Technology	China	Lili Zhang	С	Successful Participant
7845	Harbin Institute of Technology	China	Hongbin Wang	С	Successful Participant
7851	Harbin Institute of Technology	China	Guangchun Zhou	C	Successful Participant
7852	Harbin Institute of Technology	China	Yong Shuai	С	Successful Participant
7857	Harbin Institute of Technology	China	Daren Yu	С	Successful Participant
7859	Harbin Institute of Technology	China	Liang Guo	C	Successful Participant
7861	Harbin Institute of Technology	China	Liang Guo	С	Successful Participant

Ctrl #	Institution	Country	Advisor	Problem	Designation
7862	Wuhan University	China	Aijiao Deng	С	Successful Participant
7863	Harbin Institute of Technology	China	Peng Wang	С	Successful Participant
7864	Harbin Institute of Technology	China	Peng Wang	С	Successful Participant
7868	Nantong University	China	Daorong Lin	С	Successful Participant
7878	Harbin Institute of Technology	China	Yi Sun	С	Successful Participant
7901	Harbin Institute of Technology	China	Jingyu Wang	С	Successful Participant
7911	USMA	USA	Kristin Arney	С	Successful Participant
7934	Nanjing University of Sci. & Tech.	P.R. China	Peibiao Zhao	С	Successful Participant
7956	Zhejiang University of Technology	P.R.China	Wenxin Zhuo	С	Successful Participant
7964	Northeast Agricultural University	China	Zhanguo Zhang	С	Successful Participant
7965	Northeast Agricultural University	China	Zhanguo Zhang	С	Successful Participant

Ctrl #	Institution	Country	Advisor	Problem	Designation
7967	Northeast Agricultural University	China	Yueying Yang	С	Successful Participant
7968	Northeast Agricultural University	China	Yueying Yang	С	Successful Participant
7970	Northeast Agricultural University	China	Fangge Li	С	Successful Participant
7971	Northeast Agricultural University	China	Fangge Li	С	Successful Participant
7993	Zhejiang Gongshang University	P.R.China	Yinfei Li	С	Successful Participant
7999	Beijing University of Post and Telecommunication	China	Jinjin Zheng	С	Successful Participant
8052	Hangzhou Dianzi University	P. R. China	Zhifeng Zhang	С	Successful Participant
8057	Hangzhou Dianzi University	P. R. China	Chengjia Li	С	Successful Participant
8062	School of Information Engineering, Hangzhou	P. R. China	Chunguo Zhang	С	Successful Participant
8072	UNIVERSITY OF INTERNATIONAL BUSINESS AND	CHINA	TIAN XIA	С	Successful Participant
8076	University of Science and Technology of China	The People's	Lile Cai	С	Successful Participant

Ctrl #	Institution	Country	Advisor	Problem	Designation
8078	Shenyang Institute of Aeronautical Engineering	China	liu weifang	С	Successful Participant
8122	National University of Defense Technology	P. R. China	Mengda Wu	С	Successful Participant
8126	National University of Defense Technology	P. R. China	Lizhi Cheng	С	Successful Participant
8132	National University of Defense Technology	P. R. China	Meihua Xie	С	Successful Participant
8176	Central University of Finance and Economics	P.R.CHINA	Huiqing Huang	С	Successful Participant
8184	Universitiy of Science and Technology of China	P.R.CHINA	Xing Hua	С	Successful Participant
8193	Wofford College	USA	Angela Shiflet	С	Successful Participant
8194	TianJin University of Science and Technology	P.R. China	Zhao Yaguang	С	Successful Participant
8201	Dalian University	China	Jiatai Gang	С	Successful Participant
8209	Institut Teknologi Bandung	Indonesia	Agus Gunawan	С	Successful Participant
8216	Central University of Finance and Economics	China	Weihong Yu	С	Successful Participant

Ctrl #	Institution	Country	Advisor	Problem	Designation
8218	China University of Mining and Technology	P.R.China	Suo Xinli	С	Successful Participant
8236	Beloit College	USA	Paul Campbell	С	Successful Participant
8252	Capital University of Economics and Business	The People's	Xue Li	С	Successful Participant
8255	Capital University of Economics and Business	The People's	Jiang Chen	С	Successful Participant
8263	Capital University of Economics and Business	The People's	Xinmin Tian	С	Successful Participant
8271	China University of Mining and Technology	P.R.China	Zhou Shengwu	С	Successful Participant
8387	Zaozhuang University	China	ZHEN YANG	С	Successful Participant
8401	Jilin University	China	Yu Sun	С	Successful Participant
8403	HeBei University of Technology	China	YaoWu He	С	Successful Participant
8404	University of International Business and	The People's	Lizhuo Zhang	С	Successful Participant
8410	Shenyang Institute of Aeronautical Engineering	China	li lin	С	Successful Participant

Ctrl #	Institution	Country	Advisor	Problem	Designation
8442	Beijing University of Chemical Technology	China	Guangfeng JIANG	С	Successful Participant
8515	California State University Monterey Bay	USA	Hongde Hu	С	Successful Participant
8561	Central University of Finance and Economics	China	Jizheng Huang	С	Successful Participant
8582	Wuhan University	China	Aijiao Deng	С	Successful Participant