

2009 Mathematical Contest in Modeling Press Release—April 3, 2009

COMAP is pleased to announce the results of the 25th annual Mathematical Contest in Modeling (MCM). This year, 1675 teams representing institutions from fourteen countries participated in the contest. Nine teams from the following eight institutions were designated as OUTSTANDING WINNERS:

Clarkson University, Potsdam, NY
Cornell University, Ithaca, NY
Harvard University, Cambridge, MA
Harvey Mudd College, Claremont, CA
Southwestern University, Georgetown, TX
The College of Idaho, Caldwell, ID
Tsinghua University, Beijing, China
University of Colorado, Boulder, CO
University of Delaware, Newark, DE

This year's contest ran from Thursday, February 5 to Monday, February 9, 2009. 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 2009 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, Danny Solow of Case Western Reserve University, Cleveland, OH was also one of the final judges. His problem, "Designing a Traffic Circle," noted that many cities have traffic circles, from large ones with many lanes in the circle (such as at the Arc de Triomphe in Paris and the Victory Monument in Bangkok) to small ones with one or two lanes in the circle. Some of these traffic circles have a stop sign or a yield sign on every incoming road that gives priority to traffic already in the circle; some have a yield sign in the circle at each incoming road that gives priority to incoming traffic; and some have a traffic light on each incoming road (with no right turn allowed on a red light). The goal of the problem is to use a model to determine how best to control traffic flow in, around, and out of a circle, clearly stating the objective(s) used in the model and summarizing the conditions under which each type of traffic-control method should be used. The Problem B, "Energy and the Cell Phone" was written by Joe Malkevitch of York College in Jamaica, NY. This question involves

the "energy" consequences of the cell phone revolution. Cell phone usage is mushrooming and many people are using cell phones and giving up their landlines. What is the consequence of this in terms of electricity use? Every cell phone comes with a battery and a recharger. The analysis should take into account the need for charging the batteries of the cell phones as well as the fact that cell phones last much less time (they get lost and break) than phones for landlines. Students were also asked to consider a second "Pseudo US," a country of about 300 million people with about the same economic status as the current US. However, this emerging country has neither landlines nor cell phones. What is the optimal way of providing phone service to this country from an energy perspective?

Finally, consider population and economic growth over the next 50 years. How will a typical Pseudo US grow? How many Pseudo USs will emerge as countries prosper economically? Each 10 years for the next 50 years, predict the energy needs for providing phone service based upon your previous analysis. Assume all countries provide electricity from oil. Interpret your predictions in term of barrels of oil.

The nine **Outstanding** solution papers will be published in *The UMAP Journal*, along with commentary from the authors and other judges. All 1675 of the competing teams are to be congratulated for their excellent work and enthusiasm for mathematical modeling and interdisciplinary problem solving.

2009 MCM Statistics

- 1675 teams participated
- 7 high school teams (1%)
- 350 US Teams (21%)
- 1325 Foreign Teams (79%) from Australia, Canada, China, Finland, Germany, Hungary, Indonesia, Ireland, Mexico, Singapore, South Africa, United Kingdom
- 9 Outstanding Winners (1%)
- 294 Meritorious Winners (18%)
- 298 Honorable Mentions (18%)
- 1074 Successful Participants (63%)

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

Major funding for the MCM is provided by COMAP. Additional support is provided by the Institute for Operations Research and the Management Sciences (INFORMS), Two Sigma Investments and Jane Street Capital. 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.

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*

2009 MCM Problem B Contest Results

Ctrl #	Institution	Country	Advisor	Problem	Designation	
5261	The College of Idaho	USA	Michael Hitchman	B	Outstanding Winner	
5265	University of Delaware	USA	Louis Rossi	B	Outstanding Winner	
5522	Southwestern University	USA	Richard Denman	B	Outstanding Winner	SIAM Award
5717	Clarkson University	USA	Joseph Skufca	B	Outstanding Winner	MAA Award
5898	Cornell University	USA	Alexander Vladimírsky	B	Outstanding Winner	INFORMS Award
3891	Civil Aviation University Of China	China	Zhaoning Zhang	B	Meritorious Winner	
3933	Harbin Institute of Technology	P.R. China	Xilian Wang	B	Meritorious Winner	
3947	Harbin Institute of Technology	P.R. China	Xiaofeng Shi	B	Meritorious Winner	
3983	Beijing Normal University	P.R.China	Chun Yang	B	Meritorious Winner	
3986	Mathematical Modeling Innovative Practice Base	P.R.China	Jianwen Xie	B	Meritorious Winner	
4009	Dalian Maritime University	China	Y. Zhang	B	Meritorious Winner	

2009 MCM Problem B Contest Results

Ctrl #	Institution	Country	Advisor	Problem	Designation
4059	Northwestern Polytechnical University	P.R.China	Genjiu Xu	B	Meritorious Winner
4068	Hong Kong University of Science and Technology	China	Jimmy Chi- Fung	B	Meritorious Winner
4088	Nanjing Univ.	PRC	weihua huang	B	Meritorious Winner
4090	Academy of Armored Force Engineering	china	han de	B	Meritorious Winner
4108	School of Software Engineering	China	Xinchao Zhao	B	Meritorious Winner
4119	Southeast University	P.R.China	Jinguan Lin	B	Meritorious Winner
4166	Zhejiang University	PRC	Junjie Li	B	Meritorious Winner
4194	Chongqing University	P.R.China	Jian Xiao	B	Meritorious Winner
4200	Dalian Neusoft Institute of Information	P. R. China	Ping Song	B	Meritorious Winner
4205	Xi'an Jiaotong-Liverpool University	China	Dongen Zhang	B	Meritorious Winner
4208	Xi'an Jiaotong-Liverpool University	China	Jingming Guo	B	Meritorious Winner

2009 MCM Problem B Contest Results

Ctrl #	Institution	Country	Advisor	Problem	Designation
4218	University of Wisconsin--River Falls	USA	Kathy Tomlinson	B	Meritorious Winner
4231	Yunnan University	P.R.China	Zong Rong	B	Meritorious Winner
4237	Renmin University of China	China	Yonghong Long	B	Meritorious Winner
4355	School of Management and Engineering, Nanjing	China	Zhao Jiabao	B	Meritorious Winner
4358	Zhejiang University	P.R.China	Qifan YANG	B	Meritorious Winner
4411	Bemidji State University	USA	Colleen Livingston	B	Meritorious Winner
4443	North China University of Technology	The People's Republic	Quan Zheng	B	Meritorious Winner
4529	School of Information Engineering, Hangzhou	P. R. China	Zongmao Cheng	B	Meritorious Winner
4547	Zhuhai College of Jinan University	China	Yuan-biao Zhang	B	Meritorious Winner
4565	Huazhong University of Science and Technology	P.R. China	Nanzhong He	B	Meritorious Winner
4586	Beijing Institute of Technology	PR China	Hongying Man	B	Meritorious Winner

2009 MCM Problem B Contest Results

Ctrl #	Institution	Country	Advisor	Problem	Designation
4622	Seattle University	USA	Jeffery DiFranco	B	Meritorious Winner
4626	Univ. of Elec. Sci. and Tech. of China	P.R.China	Li Mingqi	B	Meritorious Winner
4627	Huazhong University of Science and Technology	P.R.China	Feng Pan	B	Meritorious Winner
4654	China University of Petroleum-Beijing	P.R.China	Xiaoguang Lu	B	Meritorious Winner
4663	Xi'an Jiaotong University	P.R.China	Lizhou Wang	B	Meritorious Winner
4706	Simpson College	USA	Rick Spellerberg	B	Meritorious Winner
4731	Zhengzhou Information Engineering Institute	P.R. China	Chang Peng	B	Meritorious Winner
4741	Zhuhai College of Jinan University	China	Yuanbiao Zhang	B	Meritorious Winner
4775	Peking University	China	Wei Zhang	B	Meritorious Winner
4795	Lanzhou University	P.R.China	Yuewei Liu	B	Meritorious Winner
4840	Nankai University	China	Kui Wang	B	Meritorious Winner

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Ctrl #	Institution	Country	Advisor	Problem	Designation
4882	School of Economics, Peking University	P.R. China	Ye Jingyi	B	Meritorious Winner
4936	The University of Arizona	USA	Paul Dostert	B	Meritorious Winner
4999	School of Sci., Beijing Univ. of Posts & Telecomm.	China	Hongxiang Sun	B	Meritorious Winner
5003	School of Sci., Beijing Univ. of Posts & Telecomm.	China	Tianping Shuai	B	Meritorious Winner
5010	Beijing Univ. of Posts & Telecomm.	China	Hongxiang Sun	B	Meritorious Winner
5064	Shanghai University of Finance and Economics	China	Ke Dai	B	Meritorious Winner
5066	Dalian University	China	Jiatai Gang	B	Meritorious Winner
5103	Electronic Engineering Institute	CHINA	Quancai Gan	B	Meritorious Winner
5107	Union College	USA	Jue Wang	B	Meritorious Winner
5110	Beijing Normal University	P.R.China	Su Le	B	Meritorious Winner
5126	Carroll College	USA	Lahna VonEpps	B	Meritorious Winner

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Ctrl #	Institution	Country	Advisor	Problem	Designation	
5142	Sun Yat Sen University	China	Jian Liang HUANG	B	Meritorious Winner	
5148	Merton College, Oxford University	United Kingdom	Jeffrey Giansiracusa	B	Meritorious Winner	
5162	Virginia Tech	USA	John Rossi	B	Meritorious Winner	
5182	University of Toronto at Scarborough	CANADA	Paul Selick	B	Meritorious Winner	
5192	MIT	USA	Martin Bazant	B	Meritorious Winner	
5259	Lawrence Technological University	USA	Ruth Favro	B	Meritorious Winner	Ben Fusaro Award
5262	Eastern Mennonite University	USA	Leah Boyer	B	Meritorious Winner	
5285	University of Science and Technology Beijing	China	Zhixin Hu	B	Meritorious Winner	
5329	PLA University of Science and Technology	P.R.China	Liu Shousheng	B	Meritorious Winner	
5338	National University of Defense Technology	P. R. China	Ziyang Mao	B	Meritorious Winner	
5358	College of Light Industry,Hebei Polytechnic	P.R.China	shaohong YAN	B	Meritorious Winner	

2009 MCM Problem B Contest Results

Ctrl #	Institution	Country	Advisor	Problem	Designation
5379	Lawrence Technological University	USA	Valentina Tobos	B	Meritorious Winner
5415	PLA University of Science and Technology	P.R.China	Shi Hansheng	B	Meritorious Winner
5421	Pacific University	USA	Christine Guenther	B	Meritorious Winner
5426	Pacific University	USA	Michael Rowell	B	Meritorious Winner
5436	Albion College	United States of	Darren Mason	B	Meritorious Winner
5444	University of Virginia Mathematics	USA	Tai Melcher	B	Meritorious Winner
5456	University of Wisconsin -- La Crosse	USA	Theodore Wendt	B	Meritorious Winner
5461	University of Wisconsin -- La Crosse	USA	Barbara Bennie	B	Meritorious Winner
5523	Shanghai Foreign Language School	China	JIA WANG	B	Meritorious Winner
5528	Wuhan University	P.R.China	Yizhong Liu	B	Meritorious Winner
5534	John Tyler Community College	US	Peter Peterson	B	Meritorious Winner

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Ctrl #	Institution	Country	Advisor	Problem	Designation
5564	Trinity University	USA	Peter Olofsson	B	Meritorious Winner
5567	Wake Forest University	USA	Jennifer Erway	B	Meritorious Winner
5572	University of Pittsburgh	USA	Jonathan Rubin	B	Meritorious Winner
5584	Duke University	USA	David Kraines	B	Meritorious Winner
5599	Youngstown State University	USA	George Yates	B	Meritorious Winner
5630	Bandung Institut of Technology	Indonesia	Nuning Nuraini	B	Meritorious Winner
5662	Rensselaer Polytechnic Institute	USA	Donald Drew	B	Meritorious Winner
5683	United States Military Academy	USA	Randy Boucher	B	Meritorious Winner
5685	United States Military Academy	USA	Jonathan Roginski	B	Meritorious Winner
5692	United States Military Academy	USA	Amanda Beecher	B	Meritorious Winner
5693	United States Military Academy	USA	Suzanne DeLong	B	Meritorious Winner

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Ctrl #	Institution	Country	Advisor	Problem	Designation
5700	Father Gabriel Richard High School	United States of	William Dannemiller	B	Meritorious Winner
5705	Nanjing University of Science and Technology	China	Chungen Xu	B	Meritorious Winner
5718	Clarkson University	USA	Joseph Skufca	B	Meritorious Winner
5727	National University of Ireland Galway	Ireland	Niall Madden	B	Meritorious Winner
5743	Jacksonville University	USA	W. Brian Lane	B	Meritorious Winner
5766	Oregon State University	USA	Nathan Gibson	B	Meritorious Winner
5770	University of Colorado Denver	United States	Gary Olson	B	Meritorious Winner
5781	Regis University	USA	James Seibert	B	Meritorious Winner
5786	Grand View University	USA	Sergio Loch	B	Meritorious Winner
5822	Hohai University	People's Republic of	Genhong Ding	B	Meritorious Winner
5831	Hohai University	People's Republic of	Genhong Ding	B	Meritorious Winner

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Ctrl #	Institution	Country	Advisor	Problem	Designation
5845	Dalian University of Technology	P.R.China	Zhen Wang	B	Meritorious Winner
5861	Hohai University	People's Republic of	Jifeng Chu	B	Meritorious Winner
5866	Davidson College	USA	Laurie Heyer	B	Meritorious Winner
5871	Davidson College	USA	Donna Molinek	B	Meritorious Winner
5895	Southern Connecticut State University	US	Ross Gingrich	B	Meritorious Winner
5901	UNC Chapel Hill	USA	Amanda Traud	B	Meritorious Winner
5902	UNC Chapel Hill	USA	Brian Pike	B	Meritorious Winner
5903	UNC Chapel Hill	USA	Sarah Williams	B	Meritorious Winner
3847	College of Sciences Beijing Forestry University	P.R.CHINA	Xiaochun Wang	B	Honorable Mention
3856	math	China	Han Huilei	B	Honorable Mention
3871	Donghua University	China, P.R.	Surong You	B	Honorable Mention

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Ctrl #	Institution	Country	Advisor	Problem	Designation
3879	Donghua University	China, P.R.	Weihong Wang	B	Honorable Mention
3903	Harbin Institute of Technology	P.R. China	Shouting Shang	B	Honorable Mention
3953	Harbin Institute of Technology	P.R. China	Yu Xiao	B	Honorable Mention
3996	Shenzhen polytechnic	China	Hongmei Tian	B	Honorable Mention
4004	Beijing Forestry University	China	Xiaochun Wang	B	Honorable Mention
4008	Dalian Maritime University	China	Y. Zhang	B	Honorable Mention
4034	Beijing Normal University	P.R.China	Li Cui	B	Honorable Mention
4040	Southeast University	China	Enshui Chen	B	Honorable Mention
4041	Southeast University	China	Zhiqiang Zhang	B	Honorable Mention
4083	Beijing Normal University	P.R.China	Zhengru Zhang	B	Honorable Mention
4115	Southeast University	P.R.China	Xiang Yin	B	Honorable Mention

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Ctrl #	Institution	Country	Advisor	Problem	Designation
4137	Chongqing University	P.R.China	Dong Li	B	Honorable Mention
4152	University of Colorado at Colorado Springs	USA	Radu Cascaval	B	Honorable Mention
4157	Beijing Normal University	P. R. China	Hui Zhang	B	Honorable Mention
4177	Dalian University of Technology	China	Ming Zhu	B	Honorable Mention
4181	Shanghai University	P.R.China	Yuandi Wang	B	Honorable Mention
4187	Shanghai University	P.R.China	Yuandi Wang	B	Honorable Mention
4216	The University of Science and Technology Beijing	China	Hu Zhixin	B	Honorable Mention
4217	University of science and technology Beijing	P. R. China	Hu Zhixing	B	Honorable Mention
4223	Northwest A&F University	China	Wang Jingmin	B	Honorable Mention
4225	Northwest A&F University	China	Jingmin Wang	B	Honorable Mention
4247	Shanghai University of Finance and Economy	China	Zhenyu Zhang	B	Honorable Mention

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Ctrl #	Institution	Country	Advisor	Problem	Designation
4260	Shanghai Jiading No,1 Senior High School	China	Yunping Fang	B	Honorable Mention
4263	Central South University School of Civil	China	Wei He	B	Honorable Mention
4265	School of Information Science and Engineering,	China	Xuanyun Qin	B	Honorable Mention
4289	Xidian University, School of Science	China	Qiang ZHU	B	Honorable Mention
4327	Sichuan university	China	Tan Youjun	B	Honorable Mention
4370	Zhejiang University	P.R.China	Yanzhong Zhang	B	Honorable Mention
4386	China University of Petroleum	China	Wang chao	B	Honorable Mention
4399	Zhuhai College of Jinan University	China	Yuan-biao Zhang	B	Honorable Mention
4402	NanJing University Of Information Science	China	Chunzheng Cao	B	Honorable Mention
4422	Logistical Engineering University	China	SongLin Wu	B	Honorable Mention
4425	East China Normal University	China	Jin Xu	B	Honorable Mention

2009 MCM Problem B Contest Results

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4427	Sichuan University	China	Shan Li	B	Honorable Mention
4452	Sichuan University	P.R. China	Nanjing Huang	B	Honorable Mention
4485	Dalian naval academy	China	Feng Jie	B	Honorable Mention
4506	Zhejiang Normal University	P.R.China	Xinzhong Lu	B	Honorable Mention
4516	School of Mathematical Sciences, Peking University	P. R. China	Minghua Deng	B	Honorable Mention
4532	Beijing Institute of Technology	PR China	Hongying Man	B	Honorable Mention
4536	University of Science and Technology Beijing	China	Zhixin Hu	B	Honorable Mention
4544	Huazhong University of Science and Technology	P.R.China	Zhengyang Mei	B	Honorable Mention
4555	Jilin University	P.R.China	Yao Xiuling	B	Honorable Mention
4556	Jilin University	P.R.China	Dehui Wang	B	Honorable Mention
4561	Jilin University	P.R.China	Liu Mingji	B	Honorable Mention

2009 MCM Problem B Contest Results

Ctrl #	Institution	Country	Advisor	Problem	Designation
4571	Huazhong University of Science and Technology	P.R.China	Zhengyang Mei	B	Honorable Mention
4583	Dalian University	China	Tan Xinxin	B	Honorable Mention
4588	Shandong University	P R China	Yunxin LIU	B	Honorable Mention
4591	Dalian University	China	Liu Guangzhi	B	Honorable Mention
4604	Nankai	China	Xinwang Qiao	B	Honorable Mention
4638	China University of Petroleum-Beijing	P.R.China	Xiaoguang Lu	B	Honorable Mention
4647	Beijing Institute of Technology	China	Peng Cao	B	Honorable Mention
4656	Xi'an Jiaotong University	P.R.China	Wenjing Yan	B	Honorable Mention
4672	BeiHang University	China	Peng Ping	B	Honorable Mention
4685	Zhejiang Gongshang University	P.R.China	Zhao Heng	B	Honorable Mention
4690	Zhejiang Gongshang University	P.R.China	Zhu Ling	B	Honorable Mention

2009 MCM Problem B Contest Results

Ctrl #	Institution	Country	Advisor	Problem	Designation
4695	Zhengzhou Information Engineering Institute	P.R. China	Ding Wang	B	Honorable Mention
4716	College of Computer and Information, Fujian	China	Lurong Wu	B	Honorable Mention
4733	Beijing Jiaotong University	P.R.China	Faen Wu	B	Honorable Mention
4749	Zhuhai College of Jinan University	China	Zhang Yunbiu	B	Honorable Mention
4770	Binzhou University	China	Ying Zhang	B	Honorable Mention
4774	Suzhou University	China	Yu Tang	B	Honorable Mention
4778	Suzhou University	China	Nan Li	B	Honorable Mention
4782	Suzhou University	China	Minxin Chen	B	Honorable Mention
4783	Hong Kong Baptist University	China	Zhonghua Qiao	B	Honorable Mention
4797	China Agricultural University	P.R.China	Liu JunFeng	B	Honorable Mention
4814	College of Computer Science and Engineering	China	Xiangdong Liu	B	Honorable Mention

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Ctrl #	Institution	Country	Advisor	Problem	Designation
4835	College of Science， Dalian Nationalities	China	Rendong Ge	B	Honorable Mention
4836	Northwest A & F University	P. R. China	Leshun Xu	B	Honorable Mention
4842	Harbin University of Science and Technology	The People's Republic	Zuobao Cao	B	Honorable Mention
4857	Wuhan University of Technology	China	He Lang	B	Honorable Mention
4872	Xuzhou Institute of Architectural Technology	P.R.China	Qin Jian	B	Honorable Mention
4877	Anhui University	China	Huayou Chen	B	Honorable Mention
4901	harbin engineering university	P.R.China	shen jihong	B	Honorable Mention
4902	harbin engineering university	P.R.China	zhang xiaowei	B	Honorable Mention
4922	Wuhan University of Technology	China	Wu Xuquan	B	Honorable Mention
4925	Wuhan University of Technology	China	Chen Jiaqing	B	Honorable Mention
4929	Beijing Normal University	China	Yingzhe Wang	B	Honorable Mention

2009 MCM Problem B Contest Results

Ctrl #	Institution	Country	Advisor	Problem	Designation
4949	Dalian University Of Technology	China	Liang Zhang	B	Honorable Mention
4958	Dalian University of Technology	P.R.China	Zhenyu Wu	B	Honorable Mention
4960	Central University of Finance and Economics	P.R.China	Youguang Shang	B	Honorable Mention
4964	Anshan Normal University	China	huimin liu	B	Honorable Mention
5024	University of Guangxi	P. R. China	Chunhong Li	B	Honorable Mention
5038	Ludong University	China	Jingang Zhai	B	Honorable Mention
5071	Shanghai Normal University	China	Fu Yi	B	Honorable Mention
5088	Shenyang Institute of Aeronautical Engineering,	China	Dan Wang	B	Honorable Mention
5092	Fudan University	China	Lu Liqiang	B	Honorable Mention
5106	Western Washington University	USA	Tjalling Ypma	B	Honorable Mention
5128	Carroll College	USA	Philip Rose	B	Honorable Mention

2009 MCM Problem B Contest Results

Ctrl #	Institution	Country	Advisor	Problem	Designation
5134	Carroll College	USA	Mary Keefe	B	Honorable Mention
5136	Loyola College in Maryland	USA	Jiyuan Tao	B	Honorable Mention
5144	Sun Yat Sen University	China	Zhuo Jian YUAN	B	Honorable Mention
5196	Shanghai Jiao Tong University	P.R.China	Liuqing Xiao	B	Honorable Mention
5198	Shanghai Jiao Tong University	P.R.China	Gang Zhou	B	Honorable Mention
5208	Shanghai University of Finance and Economics	China	Cheng Huang	B	Honorable Mention
5215	Iowa State University	USA	Stephen Willson	B	Honorable Mention
5227	Richard Stockton College of New Jersey	United States	Brandy Rapatski	B	Honorable Mention
5253	University of Science and Technology of China	P.R.China	Lixin Duan	B	Honorable Mention
5281	Tsinghua University	China	Liping Zhang	B	Honorable Mention
5283	BeiHang University	China	Tian Jin	B	Honorable Mention

2009 MCM Problem B Contest Results

Ctrl #	Institution	Country	Advisor	Problem	Designation
5291	China University of Petroleum(huadong)	China	Xiaoping Li	B	Honorable Mention
5306	Zhejiang University City College	PRC	Xueyong Yu	B	Honorable Mention
5309	Zhejiang University City College	PRC	Waibin Huang	B	Honorable Mention
5314	Beihua University	China	Tan Xili	B	Honorable Mention
5316	Beihua University	China	Zhang Wei	B	Honorable Mention
5337	National University of Defense Technology	P. R. China	Ziyang Mao	B	Honorable Mention
5345	Dalian University of Technology	China	Jinpeng Liu	B	Honorable Mention
5365	National University of Defense Technology	P. R. China	Meihua Xie	B	Honorable Mention
5368	National University of Defense Technology	P. R. China	Xiaojun Duan	B	Honorable Mention
5380	Chengdu University of Technology	P.R.China	Huang GuangXin	B	Honorable Mention
5454	Saint Louis University	United States	David Jackson	B	Honorable Mention

2009 MCM Problem B Contest Results

Ctrl #	Institution	Country	Advisor	Problem	Designation
5472	University of California, Davis	USA	Martha Shott	B	Honorable Mention
5516	Shanghai Foreign Language School	China	FENG XU	B	Honorable Mention
5546	Shenyang University of Technology	china	yan chen	B	Honorable Mention
5609	Wofford College	USA	Angela Shiflet	B	Honorable Mention
5610	Wofford College	USA	Angela Shiflet	B	Honorable Mention
5624	College of Information Science and Engineering;	P.R.China	Peifeng Hao	B	Honorable Mention
5645	GanNan Normal University	China	Xu Jingfei	B	Honorable Mention
5648	Shandong University	P.R. China	Haodi Feng	B	Honorable Mention
5664	University of Science and Technology of China	China	Yuanxiang Wang	B	Honorable Mention
5682	United States Military Academy	USA	Elisha Peterson	B	Honorable Mention
5747	McGill University	CANADA	Robert OWENS	B	Honorable Mention

2009 MCM Problem B Contest Results

Ctrl #	Institution	Country	Advisor	Problem	Designation
5748	The Chinese University of Hong Kong	Hong Kong	Qiang Meng	B	Honorable Mention
5764	Institute of Modern Physics, NWU	China	Jihong Dou	B	Honorable Mention
5787	Grand View University	USA	Michelle Ruse	B	Honorable Mention
5816	Harbin Medical University	China	Wang QiangHu	B	Honorable Mention
5835	University of Science and Technology of China	P.R. China	Zhouwang Yang	B	Honorable Mention
5839	Hohai University	China	Qingxin Liu	B	Honorable Mention
5860	Hohai University	China	Yong-Fu YANG	B	Honorable Mention
5883	Asbury College	USA	David Coulliette	B	Honorable Mention
5904	University of Minnesota Duluth	USA	Bruce Peckham	B	Honorable Mention
3833	University of Science and Technology of China	China	Xiangming Fang	B	Successful Participant
3834	yunnan university	China	yang ling	B	Successful Participant

2009 MCM Problem B Contest Results

Ctrl #	Institution	Country	Advisor	Problem	Designation
3860	Nanjing University	China	Mei Li	B	Successful Participant
3875	Donghua University	China, P.R.	Xiaoqian Wu	B	Successful Participant
3878	Donghua University	China, P.R.	Jiayong Lin	B	Successful Participant
3880	Donghua University	China, P.R.	Xianhui Zeng	B	Successful Participant
3884	Shandong University	The People's Republic	Baochen Sun	B	Successful Participant
3885	Beijing Normal University	P.R. China	Huang Haiyang	B	Successful Participant
3896	Beijing Normal University	P.R.China	LIU FU	B	Successful Participant
3897	North China Electric Power University	P. R. China	Lei Chen	B	Successful Participant
3913	Harbin Institute of Technology	P.R. China	Ru Fang	B	Successful Participant
3924	Harbin Institute of Technology	P.R. China	Boying Wu	B	Successful Participant
3938	Harbin Institute of Technology	P.R. China	Tong Zheng	B	Successful Participant

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Ctrl #	Institution	Country	Advisor	Problem	Designation
3942	Harbin Institute of Technology	P.R. China	Yan Liu	B	Successful Participant
3945	Harbin Institute of Technology	China	Dongmei Zhang	B	Successful Participant
3946	Harbin Institute of Technology	P.R. China	Xiaofeng Shi	B	Successful Participant
3948	Harbin Institute of Technology	P.R. China	Xuefeng Wang	B	Successful Participant
3968	Harbin Institute of Technology	P.R. China	Lili Zhang	B	Successful Participant
3977	Harbin Institute of Technology	China	Limin Zou	B	Successful Participant
3982	Beijing Normal University	P.R. China	Huang Haiyang	B	Successful Participant
4000	Shenzhen polytechnic	China	Yueping Li	B	Successful Participant
4016	Dalian Maritime University	China	Guoyan Chen	B	Successful Participant
4017	Dalian Maritime University	China	Guoyan Chen	B	Successful Participant
4018	Dalian Maritime University	China	S. Yang	B	Successful Participant

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Ctrl #	Institution	Country	Advisor	Problem	Designation
4020	Northwestern Polytechnical University	P.R.China	Hao Sun	B	Successful Participant
4024	Northwestern Polytechnical University	P.R.China	Junfeng Zhao	B	Successful Participant
4027	Dalian Maritime University	China	Yu Dong	B	Successful Participant
4029	Dalian Maritime University	China	N. Chen	B	Successful Participant
4031	Dalian Maritime University	China	G. Chen	B	Successful Participant
4032	Dalian Maritime University	China	Yang Shuqin	B	Successful Participant
4053	Southeast University	China	Xingang Jia	B	Successful Participant
4061	Northwestern Polytechnical University	P.R.China	Zhongkui Sun	B	Successful Participant
4066	China Youth University for Political Sciences	China	Yanxia Zheng	B	Successful Participant
4069	SUNY Fredonia	USA	Lan Cheng	B	Successful Participant
4074	China University of Geosciences, Beijing	P R China	Guangdong Huang	B	Successful Participant

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Ctrl #	Institution	Country	Advisor	Problem	Designation
4081	College of Information Science and Engineering	China	Shanchen Pang	B	Successful Participant
4082	Nanjing University	P.R.China	Huikun Jiang	B	Successful Participant
4091	Yunnan University	China	Bo Zhang	B	Successful Participant
4097	East China Normal University	China	Yinping Liu	B	Successful Participant
4120	Southeast University	P.R.China	Jinguan Lin	B	Successful Participant
4121	Liaocheng University	P.R.China	Yining Zhang	B	Successful Participant
4125	SHANGHAI UNIVERSITY OF FINANCE AND	P.R.CHINA	YING CHEN	B	Successful Participant
4130	Chongqing University	P.R.China	Qu Gong	B	Successful Participant
4131	Chongqing University	P.R.China	Zhengmin Duan	B	Successful Participant
4134	Chongqing University	P.R.China	Jianwen Xu	B	Successful Participant
4139	Shanghai Yucai High School	China P.R.	Zhenwei Yang	B	Successful Participant

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Ctrl #	Institution	Country	Advisor	Problem	Designation
4144	Zhejiang Sci-Tech University	The People's Republic	Shi Guosheng	B	Successful Participant
4145	Zhejiang Sci-Tech University	The People's Republic	Jiang Yiwei	B	Successful Participant
4155	YunNan University	P.R.China	Jie Meng	B	Successful Participant
4164	Nanjing University	P.R.China	Qing Ji	B	Successful Participant
4167	East China Normal University	China	changhong Lv	B	Successful Participant
4185	Shanghai University	The People's Republic	Wei Chen	B	Successful Participant
4189	Shanghai University	PR China	Youhua He	B	Successful Participant
4197	Dalian Neusoft Institute of Information	P. R. China	Sheng Guan	B	Successful Participant
4201	East China Institute of Technology	The People's Republic	Ran Li	B	Successful Participant
4210	Xi'an Jiaotong-Liverpool University	China	Liyng liu	B	Successful Participant
4213	Shanghai University	China	Binwu He	B	Successful Participant

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Ctrl #	Institution	Country	Advisor	Problem	Designation
4219	University of Wisconsin--River Falls	USA	Kathy Tomlinson	B	Successful Participant
4232	Yunnan University	P.R.China	Jundong Yang	B	Successful Participant
4248	Southwestern University of Finance and Economics	China	Jie Ma	B	Successful Participant
4251	Beijing Language and Culture University	China	Xiwen Zhang	B	Successful Participant
4252	East China University of Science and Technology	China	Liu Zhaohui	B	Successful Participant
4255	Shanghai Jiading No,1 Senior High School	China	Xilin Xie Yunping Fang	B	Successful Participant
4258	East China University of Science and Technology	China	Su Chunjie	B	Successful Participant
4266	Central South University School of Civil	China	Weijun Deng	B	Successful Participant
4269	Central South University School of Civil	China	Wei He	B	Successful Participant
4270	China University of Petroleum,East China	The People's Republic	Niu Qihua	B	Successful Participant
4277	Central South University	China	Xinge Liu	B	Successful Participant

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Ctrl #	Institution	Country	Advisor	Problem	Designation
4286	Beijing Language and Culture University	China	weihua An	B	Successful Participant
4288	Xidian University, School of Science	China	Shuisheng ZHOU	B	Successful Participant
4290	North China Electric Power University	China	Qirong Qiu	B	Successful Participant
4301	East China Normal University	P.R. China	Yan Li	B	Successful Participant
4313	Yantai University	P. R. China	Chuanjun Chen	B	Successful Participant
4314	Yantai University	P. R. China	Chuanjun Chen	B	Successful Participant
4316	Xuhai College, China University of Mining and	China	PENG Hongjun	B	Successful Participant
4317	Xuhai College, China University of Mining and	China	PENG Hongjun	B	Successful Participant
4318	Yantai University	P. R. China	Bingzhang Wang	B	Successful Participant
4343	College of Information Science and Engineering	China	Fangfang Ma	B	Successful Participant
4346	Shandong University at Weihai	P.R.China	Bing Yang	B	Successful Participant

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Ctrl #	Institution	Country	Advisor	Problem	Designation
4350	East China Normal University	China	Miaokun Gong	B	Successful Participant
4351	China University of Petroleum(huadong)	China	Ziting Wang	B	Successful Participant
4374	Zhejiang University	P.R.China	Zhongfei Zhang	B	Successful Participant
4375	Nanjing University	China	Yuan Fang	B	Successful Participant
4376	Nanjing University	China	Yuan Fang	B	Successful Participant
4398	China University of Petroleum	China	Yang Lei	B	Successful Participant
4404	Tianjin University of Science and Technology	China	Jianjun Cheng	B	Successful Participant
4412	Bemidji State University	USA	Randy Westhoff	B	Successful Participant
4417	Hong Kong Baptist University	China	Wai Hong Chan	B	Successful Participant
4423	Logistical Engineering University	China	TingHong Yang	B	Successful Participant
4424	Logistical Engineering University	China	Qi Dan	B	Successful Participant

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Ctrl #	Institution	Country	Advisor	Problem	Designation
4437	Shanghai University of Finance & Economics	China	Yuquan Ye	B	Successful Participant
4454	Tongji University	China	Junfeng Yin	B	Successful Participant
4455	Tongji University	China	Hualong Zhang	B	Successful Participant
4460	Hefei University of Technology	P.R.China	Tong Li	B	Successful Participant
4462	Zhengzhou Institute of Electronic Technology	China	wu shiwen	B	Successful Participant
4492	Dalian Naval Academy	China	Yin Yi	B	Successful Participant
4495	Dalian naval academy	China	Huang wei	B	Successful Participant
4496	Dalian naval academy	China	Huang wei	B	Successful Participant
4507	Zhejiang Normal University	P.R.China	Xinzhong Lu	B	Successful Participant
4531	Beijing Normal University	China PR	Jiacai ZHANG	B	Successful Participant
4537	Huazhong University of Science and Technology	China	Liang GAO	B	Successful Participant

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Ctrl #	Institution	Country	Advisor	Problem	Designation
4541	Beijing Institute of Technology	China	Hong-Zhou Wang	B	Successful Participant
4548	Bejing Normal University	P.R.China	Hui Zhang	B	Successful Participant
4573	China University of Mining and Technology	China	Ping Jing	B	Successful Participant
4578	Huazhong University of Science and Technology	P.R.China	Zhibin Han	B	Successful Participant
4579	Zhuhai College of Jinan University	China	Yuanbiao Zhang	B	Successful Participant
4584	North China Electric Power University Science &	China	Jinwei Shi	B	Successful Participant
4589	Heilongjiang University	China	Xiangwu Xiao	B	Successful Participant
4617	Chongqing University	P.R.China	Dong Li	B	Successful Participant
4632	Xiamen Uinversity,China	China	ZhengHong Luo	B	Successful Participant
4643	China University of Petroleum-Beijing	P.R.China	Pei Wang	B	Successful Participant
4653	ShanDong University	P.R.China	Baodong Liu	B	Successful Participant

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Ctrl #	Institution	Country	Advisor	Problem	Designation
4655	China University of Petroleum-Beijing	P.R.China	Ling Zhao	B	Successful Participant
4658	Xi'an Jiaotong University	P.R.China	Wenjing Yan	B	Successful Participant
4661	Xi'an Jiaotong University	P.R.China	Huanqin Li	B	Successful Participant
4665	Xi'an Jiaotong University	P.R.China	Jicheng Li	B	Successful Participant
4675	College of Computer and Information, Fujian	China	Lurong Wu	B	Successful Participant
4698	Simpson College	USA	Debra Czarneski	B	Successful Participant
4707	Simpson College	USA	Rick Spellerberg	B	Successful Participant
4709	Simpson College	USA	Murphy Waggoner	B	Successful Participant
4711	Simpson College	USA	Heidi Berger	B	Successful Participant
4715	Simpson College	USA	Werner Kolln	B	Successful Participant
4732	Beijing Jiaotong University	P.R.China	Faen Wu	B	Successful Participant

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Ctrl #	Institution	Country	Advisor	Problem	Designation
4747	Zhuhai College of Jinan University	China	Zhang Yunbiu	B	Successful Participant
4755	Nanjing University	China	Zhiyong Tao	B	Successful Participant
4764	Sichuan University	China	Weinian Zhang	B	Successful Participant
4771	Binzhou University	China	Lufang Mi	B	Successful Participant
4772	Binzhou University	China	Liguo Huang	B	Successful Participant
4773	Peking University	China	Yiming Wang	B	Successful Participant
4780	Suzhou University	China	Rui Ding	B	Successful Participant
4781	Suzhou University	China	Zhongwen Chen	B	Successful Participant
4785	Lanzhou University	P.R.China	Jinbo Qi	B	Successful Participant
4791	China Agricultural University	P.R.China	Zou Hui	B	Successful Participant
4796	China Agricultural University	P.R.China	Si YuanChang	B	Successful Participant

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Ctrl #	Institution	Country	Advisor	Problem	Designation
4800	Beijing Institute of Technology	China	Xiao-Xia Yan	B	Successful Participant
4803	China University of Petroleum(East China)	China	Yongli Gao	B	Successful Participant
4821	Dalian Nationalities Innovation College ，	China	Xingwen Chen	B	Successful Participant
4824	Dalian Nationalities Innovation College ，	China	Ye Xue	B	Successful Participant
4828	Dalian Nationalities University	China	Hengbo Zhang	B	Successful Participant
4846	Nantong University	China	Quan Jiang	B	Successful Participant
4847	Nantong University	China	Daorong Lin	B	Successful Participant
4850	Wuhan University of Technology	China	He Lang	B	Successful Participant
4852	Nanchang university	P.R.China	Yuchao Tang	B	Successful Participant
4855	Wuhan University of Technology	China	Chu Yangjie	B	Successful Participant
4858	Nanchang university	P.R.China	Xiang Wang	B	Successful Participant

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Ctrl #	Institution	Country	Advisor	Problem	Designation
4863	Wuhan University of Technology	China	Yang Wenxia	B	Successful Participant
4867	Beijing Normal University	China	Yongping Liu	B	Successful Participant
4869	Shanghai University of Finance and Economics	China	zi peng gui	B	Successful Participant
4892	South China Agricultural University	China	Zhu Yanke	B	Successful Participant
4893	South China Agricultural University	China	Zhu Yanke	B	Successful Participant
4894	harbin engineering university	P.R.China	zhu lei	B	Successful Participant
4896	South China Agricultural University	China	Zeng Qingmao	B	Successful Participant
4899	South China Agricultural University	China	Zhang Shengxiang	B	Successful Participant
4904	harbin engineering university	P.R.China	yu fei	B	Successful Participant
4905	harbin engineering university	P.R.China	yu fei	B	Successful Participant
4910	harbin engineering university	P.R.China	luo yuesheng	B	Successful Participant

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Ctrl #	Institution	Country	Advisor	Problem	Designation
4918	harbin engineering university	P.R.China	gao zhenbin	B	Successful Participant
4931	Nankai University	The People's Republic	ZhenXin Zhang	B	Successful Participant
4934	Mount St. Mary's University	USA	Brian Heinold	B	Successful Participant
4951	Dalian University of Technology	P.R.China	Qihui Pan	B	Successful Participant
4957	Dalian University of Technology	P.R.China	Zhenyu Wu	B	Successful Participant
4961	Shanghai Finance University	P.R. China	Hongcheng Li	B	Successful Participant
4962	Dalian University of Technology	P.R.China	Tao Sun	B	Successful Participant
4970	Anshan Normal University	China	huimin liu	B	Successful Participant
4972	Dalian University of Technology	P.R.China	Xiaoli Zhang	B	Successful Participant
4993	Beijing Jiaotong University	China	Bingtuan Wang	B	Successful Participant
5018	Zhengzhou Institute of Science	The People's Republic	Zhibo Lu	B	Successful Participant

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Ctrl #	Institution	Country	Advisor	Problem	Designation
5026	University of Guangxi	P. R. China	Yuejin Lv	B	Successful Participant
5043	harbin engineering university	P.R.China	ma minghua	B	Successful Participant
5046	harbin engineering university	P.R.China	lin huanzhang	B	Successful Participant
5047	harbin engineering university	P.R.China	lin huanzhang	B	Successful Participant
5048	harbin engineering university	P.R.China	wang jue	B	Successful Participant
5050	Harbin Engineering University	P.R.China	Sun Dongqi	B	Successful Participant
5054	harbin engineering university	P.R.China	zhang yuxin	B	Successful Participant
5067	Huaiyin Teachers College	China	Song Guo	B	Successful Participant
5069	Shanghai Normal University	China	Liu Rongguan	B	Successful Participant
5072	Shenyang Institute of Aeronautical Engineering,	China	Feng Shan	B	Successful Participant
5076	Shenyang Institute of Aeronautical Engineering,	China	Shiyun Wang	B	Successful Participant

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Ctrl #	Institution	Country	Advisor	Problem	Designation
5079	Shenyang Institute of Aeronautical Engineering,	China	Li Wang	B	Successful Participant
5082	Shenyang Institute of Aeronautical Engineering,	China	Yong Jiang	B	Successful Participant
5091	Beijing Normal University	China	Zhongdan Huan	B	Successful Participant
5094	School of Science, University of Jinan	P.R. China	Wen Fengtong	B	Successful Participant
5102	Electronic Engineering Institute	CHINA	Quancai Gan	B	Successful Participant
5104	Peking University	P.R.China	Zhangju Liu	B	Successful Participant
5113	South China Normal University	China	Tan Yang	B	Successful Participant
5114	South China Normal University	China	Hongchu Wang	B	Successful Participant
5127	Carroll College	USA	Lahna VonEpps	B	Successful Participant
5137	Loyola College in Maryland	USA	Jiyuan Tao	B	Successful Participant
5153	BEIJING NORMAL UNIVERSITY	P.R.CHINA	Zeyun Liu	B	Successful Participant

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Ctrl #	Institution	Country	Advisor	Problem	Designation
5154	Roanoke College	USA	David Taylor	B	Successful Participant
5157	Bethune-Cookman University	USA	Deborah Jones	B	Successful Participant
5159	Linfield College	USA	Martha VanCleave	B	Successful Participant
5166	Carroll College	USA	Anthony Szpilka	B	Successful Participant
5179	Centenary College of Louisiana	USA	Mark Goadrich	B	Successful Participant
5185	The University of Tennessee	USA	Vasilios Alexiades	B	Successful Participant
5197	Shanghai Jiao Tong University	P.R.China	Liuqing Xiao	B	Successful Participant
5202	ShanDong University	P.R.China	Hongjun DAI	B	Successful Participant
5205	Shanghai university of electric power	Pingliang Lu, 2103	Kang Li	B	Successful Participant
5207	Beijing Forestry University	China	Hongjun Li	B	Successful Participant
5209	Juniata College	USA	John Bukowski	B	Successful Participant

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Ctrl #	Institution	Country	Advisor	Problem	Designation
5212	Iowa State University	USA	Stephen Willson	B	Successful Participant
5214	New Mexico State University	United States of	Caroline Sweezy	B	Successful Participant
5225	Central Washington University	USA	Stuart Boersma	B	Successful Participant
5228	Shanghai University of Finance and Economics	China	Yi Jin	B	Successful Participant
5235	Shanghai University of Finance and Economics	China	Chengdong Dong	B	Successful Participant
5238	Beijing Univ. of Posts & Telecomm.	China	Tianping Shuai	B	Successful Participant
5245	Beijing Univ. of Posts & Telecomm.	China	Xueli Wang	B	Successful Participant
5246	Beijing Univ. of Posts & Telecomm.	China	Xueli Wang	B	Successful Participant
5257	Centenary College of Louisiana	USA	Mark Goadrich	B	Successful Participant
5263	Eastern Mennonite University	USA	Leah Boyer	B	Successful Participant
5266	University of Delaware	USA	Louis Rossi	B	Successful Participant

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Ctrl #	Institution	Country	Advisor	Problem	Designation
5267	Northern Kentucky University	USA	Lisa Holden	B	Successful Participant
5268	Northern Kentucky University	USA	Andy Long	B	Successful Participant
5277	Harvey Mudd College	USA	Darryl Yong	B	Successful Participant
5289	Capital University of Economics and Business	The People's Republic	Hua Zhou	B	Successful Participant
5295	Southern Oregon University	U.S.A.	Kemble Yates	B	Successful Participant
5311	Beihua University	China	Liu Yiyun	B	Successful Participant
5312	Beihua University	China	Wei Yuncai	B	Successful Participant
5319	Henan Institute of Science and Technology	China	Hongwei Jiao	B	Successful Participant
5330	Shandong University, P.R.China	P.R.China	Xiaoxia Rong	B	Successful Participant
5339	National University of Defense Technology	P. R. China	Lizhi Cheng	B	Successful Participant
5340	Dalian University of Technology	China	Kun Lu	B	Successful Participant

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Ctrl #	Institution	Country	Advisor	Problem	Designation
5353	Tongji University	China	Xiongda Chen	B	Successful Participant
5360	Xuzhou Institute of Technology	P.R.China	Jiang Yingzi	B	Successful Participant
5364	National University of Defense Technology	P. R. China	Lizhi Cheng	B	Successful Participant
5371	Traffic College, Fujian Agriculture and Forestry	China	Yongzhen Ma	B	Successful Participant
5396	Sacred Heart University	USA	Peter Loth	B	Successful Participant
5403	Central University of Finance and Economics	Beijing	Zhaoxu Sun	B	Successful Participant
5405	Central University of Finance and Economics	P.R.China	Zongze Chai	B	Successful Participant
5413	Central University of Finance and Economics	China	Donghong Li	B	Successful Participant
5416	Saint Louis University, Parks College of	USA	Manoj Patankar	B	Successful Participant
5423	Ithaca College	USA	Bruce Thompson	B	Successful Participant
5459	University of Wisconsin -- La Crosse	USA	Barbara Bennie	B	Successful Participant

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Ctrl #	Institution	Country	Advisor	Problem	Designation
5462	University of New South Wales	Australia	James Franklin	B	Successful Participant
5489	Harbin University of Commerce	China	Yaoqun Xu	B	Successful Participant
5494	Harbin University of Commerce	China	Wei Wang	B	Successful Participant
5498	South China University of Technology	China	Ping Huang	B	Successful Participant
5501	ShanDong University of Science and Technology	china	Qiuxia Sun	B	Successful Participant
5507	China University of Petroleum(East China)	China	Jianmin Chen	B	Successful Participant
5514	Wuhan University	China	Hu qi	B	Successful Participant
5518	Shanghai Foreign Language School	China	FENG XU	B	Successful Participant
5521	Shanghai Foreign Language School	China	JIA WANG	B	Successful Participant
5524	Tianjin University of Science and technology	P.R.China	Dake Zhang	B	Successful Participant
5529	Wuhan University	P.R.China	Zhuangchu Luo	B	Successful Participant

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Ctrl #	Institution	Country	Advisor	Problem	Designation
5532	Wuhan University	China	Xinqi Hu	B	Successful Participant
5535	Inner Mongolia University	P.R.China	Zhuang Ma	B	Successful Participant
5539	Inner Mongolia University	P.R.China	Zhuang Ma	B	Successful Participant
5549	Shenyang University of Technology	China	HongBo Du	B	Successful Participant
5556	Beijing University of Chemical Technology	P.R.China	Kaisu Wu	B	Successful Participant
5563	Virginia Western Community College	USA	Ruth Sherman	B	Successful Participant
5568	Virginia Western Community College	USA	Steve Hammer	B	Successful Participant
5569	Indiana University south Bend	USA	Morteza Shafii-Mousavi	B	Successful Participant
5578	Colby College	United States	Jan Holly	B	Successful Participant
5589	Centenary College of Louisiana	USA	Troy Messina	B	Successful Participant
5590	Rowan University	USA	Hieu Nguyen	B	Successful Participant

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Ctrl #	Institution	Country	Advisor	Problem	Designation
5605	Western Carolina University	USA	Jeffrey Lawson	B	Successful Participant
5606	California State University Monterey Bay	USA	Lipika Deka	B	Successful Participant
5612	Cal Poly Pomona	US	Joe Iatulippe	B	Successful Participant
5617	Northeast Agricultural University	China	Zhanguo Zhang	B	Successful Participant
5626	ShanDong University of Science and Technology	china	Qiuxia Sun	B	Successful Participant
5627	Hunan University of Science and Technology	China	Jie Chen	B	Successful Participant
5637	Bandung Institute of Technology	Indonesia	Kuntjoro Sidarto	B	Successful Participant
5643	GanNan Normal University	China	Yan Shenhai	B	Successful Participant
5646	North China Electric Power University	China	Pan Zhi	B	Successful Participant
5668	Hunan University	China	Xiangnan Zhou	B	Successful Participant
5670	Hunan University	China	Shangjiang Guo	B	Successful Participant

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Ctrl #	Institution	Country	Advisor	Problem	Designation
5676	Hunan University	China	Yuanbei Deng	B	Successful Participant
5677	Hunan University	China	Yizhao Chen	B	Successful Participant
5679	University at Buffalo	USA	Brian Spencer	B	Successful Participant
5680	United States Military Academy	USA	Donald Outing	B	Successful Participant
5681	University at Buffalo	USA	Brian Spencer	B	Successful Participant
5695	Wuhan University	P.R.China	Aijiao Deng	B	Successful Participant
5703	Nanjing University of Science and Technology	China	Yongshun Liang	B	Successful Participant
5708	Shandong University	P.R.China	Xinjun Wang	B	Successful Participant
5719	Bowling Green State University	USA	Juan Bes	B	Successful Participant
5723	Tufts University	USA	Bruce Boghosian	B	Successful Participant
5728	National University of Ireland, Galway	Ireland	Petri Piironen	B	Successful Participant

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Ctrl #	Institution	Country	Advisor	Problem	Designation
5735	Western Connecticut State University	USA	Josephine Hamer	B	Successful Participant
5737	Ningbo Institute of Technology,Zhejiang University	The People's Republic	Lihui Tu	B	Successful Participant
5740	Ningbo Institute of Technology,Zhejiang University	The People's Republic	Zhening LI	B	Successful Participant
5744	Appalachian State University	USA	Eric Marland	B	Successful Participant
5752	Cal Poly Pomona	US	Hubertus von Bremen	B	Successful Participant
5753	Jacksonville University	USA	Paul Crittenden	B	Successful Participant
5756	Westchester Community College	United States	Marvin Littman	B	Successful Participant
5757	Helsinki Upper Secondary School of Mathematics	Finland	Ville Tilvis	B	Successful Participant
5758	Indiana Wesleyan University	USA	Daniel Kiteck	B	Successful Participant
5761	Jacksonville University	USA	Robert Hollister	B	Successful Participant
5772	Hobart and William Smith Colleges	USA	Jonathan Forde	B	Successful Participant

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Ctrl #	Institution	Country	Advisor	Problem	Designation
5775	Bowling Green State University	USA	Juan Bes	B	Successful Participant
5777	Coe College	USA	Calvin Van Niewaal	B	Successful Participant
5778	Coe College	USA	Calvin Van Niewaal	B	Successful Participant
5798	Irvine Valley College	USA	Jack Appleman	B	Successful Participant
5802	Saddleback College	USA	Karla Westphal	B	Successful Participant
5809	Mathematics and Science High School at Clover Hill	United States	Brian DeLeon	B	Successful Participant
5817	Worcester Polytechnic Institute	USA	Suzanne Weekes	B	Successful Participant
5825	Luther College	USA	Reginald Laursen	B	Successful Participant
5827	Wuhan University	P.R.China	Yuan Hu	B	Successful Participant
5828	Shenyang Pharmaceutical University	China	Rongwu Xiang	B	Successful Participant
5836	Beloit College	USA	Darrah Chavey	B	Successful Participant

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Ctrl #	Institution	Country	Advisor	Problem	Designation
5841	Guangxi Teachers Education University	China	Chengdong Wei	B	Successful Participant
5846	Fujian Normal University	China	Yuan Zhiqiang	B	Successful Participant
5865	Davidson College	USA	Laurie Heyer	B	Successful Participant
5872	School of Control Science and Engineering, North	P.R.China	Guotian Yang	B	Successful Participant
5874	School of Control Science and Engineering, North	P.R.China	Xiangjie Liu	B	Successful Participant
5876	University of West Georgia	USA	Scott Gordon	B	Successful Participant
5878	Stevenson University	USA	Eileen McGraw	B	Successful Participant
5911	Drury University	U.S.A.	Keith Coates	B	Successful Participant
5914	University of Iowa	United States	Scott Small	B	Successful Participant
5917	Westminster College	USA	Barbara Faires	B	Successful Participant
5920	Sonoma State University	USA	Sunil Tiwari	B	Successful Participant

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Ctrl #	Institution	Country	Advisor	Problem	Designation
5922	James Madison University	USA	Ling Xu	B	Successful Participant