

2009 Interdisciplinary Contest in Modeling Press Release—April 1, 2009

COMAP is pleased to announce the results of the 11th annual Interdisciplinary Contest in Modeling (ICM). This year, a record 374 teams representing institutions from four countries participated in the contest. Two teams were designated as **OUTSTANDING WINNERS**:

United States Military Academy, West Point, NY
China University of Mining and Technology, Xuzhou, China (INFORMS Prize)

This year's contest ran from Thursday, February 5 to Monday, February 9, 2009. During that time, teams of three students researched, analyzed, modeled, and communicated a solution to an open-ended interdisciplinary modeling problem. The 2009 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 understand water-quality issues, biodiversity of coral reefs, and marine ecological relationships to build effective models to compare complex aquaculture networks. The problem contained many complex and multifaceted issues to be analyzed and had several challenging requirements for innovative scientific and mathematical modeling and analysis.

This problem also had the ever-present ICM requirements to use thorough data analysis, creativity, approximation and precision, along with effective communication. The author of the problem was Melissa Garren, Scripps Institute of Oceanography, CA. The problem originated from her own professional research.

The Two Outstanding solution papers will be published in *The UMAP Journal*, along with commentaries from the problem author and judges. All the members of the 374 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.

2009 ICM Statistics

- 374 teams participated
- 31 U.S. Teams (8%)
- 343 Foreign Teams (92%) from Indonesia, China and United Arab Emirates
- 2 Outstanding Winners (1%)
- 36 Meritorious Winners (10%)
- 144 Honorable Mentions (38%)
- 192 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: www.mcmcontest.com, 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



Administered by
The Consortium for Mathematics
and Its Applications

Contest Directors

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

Executive Director

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

Associate Director

Rod Sturdivant, *United States Military Academy, NY*

2009 ICM Contest Results

| Ctrl # | Institution | Country | Advisor | Problem | Designation | |
|--------|---|------------|----------------|---------|--------------------|---------------|
| 4400 | China University of Mining and Technology | P.R.China | Zhang Xingyong | C | Outstanding Winner | INFORMS Award |
| 5689 | United States Military Academy | USA | Kristin Arney | C | Outstanding Winner | |
| 3852 | Fudan University | China | Yuan Cao | C | Meritorious Winner | |
| 3862 | Southwest University | China | Lin Wei | C | Meritorious Winner | |
| 3919 | Harbin Institute of Technology | P.R. China | Yong Wang | C | Meritorious Winner | |
| 3958 | Harbin Institute of Technology | China | Qi Guo | C | Meritorious Winner | |
| 4021 | Northwestern Polytechnical University | P.R.China | Min Zhou | C | Meritorious Winner | |
| 4046 | Southeast University | China | Zhizhong Sun | C | Meritorious Winner | |
| 4048 | Southeast University | P.R.China | Feng Wang | C | Meritorious Winner | |
| 4057 | Northwestern Polytechnical University | P.R.China | Huayong Xiao | C | Meritorious Winner | |
| 4117 | Southeast University | P.R.China | Jun Huang | C | Meritorious Winner | |

2009 ICM Contest Results

| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|--|-----------------------|----------------------|---------|--------------------|
| 4170 | Xidian University | P.R.China | Xiaogang QI | C | Meritorious Winner |
| 4249 | University of International Business and Economics | The People's Republic | Baomin Dong | C | Meritorious Winner |
| 4287 | Xidian University, School of Science | China | Hanwen YU | C | Meritorious Winner |
| 4331 | Shandong University at Weihai | P.R.China | Yang Bing Cao Zhulou | C | Meritorious Winner |
| 4363 | Zhejiang University | P.R.China | Biao Wu | C | Meritorious Winner |
| 4367 | Zhejiang University | P.R.China | Yong Wu | C | Meritorious Winner |
| 4373 | Zhejiang University | P.R.China | Zhongfei Zhang | C | Meritorious Winner |
| 4576 | Zhuhai College of Jinan University | China | Yuanbiao Zhang | C | Meritorious Winner |
| 4683 | Zhengzhou Information Engineering Institute | P. R. China | Jian Du | C | Meritorious Winner |
| 4699 | Simpson College | USA | Debra Czarneski | C | Meritorious Winner |
| 4712 | Simpson College | USA | Pat Singer | C | Meritorious Winner |

2009 ICM Contest Results

| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|---|-------------|---------------|---------|--------------------|
| 4743 | Zhuhai College of Jinan University | China | Advisor Team | C | Meritorious Winner |
| 5009 | Beijing Univ. of Posts & Telecomm. | China | Hongxiang Sun | C | Meritorious Winner |
| 5062 | Jinan University | CHINA | Daiqiang HU | C | Meritorious Winner |
| 5124 | Carroll College | USA | Kelly Cline | C | Meritorious Winner |
| 5201 | Harvey Mudd College | USA | Zach Dodds | C | Meritorious Winner |
| 5224 | Humboldt State University | USA | Brad Finney | C | Meritorious Winner |
| 5297 | University of Science and Technology of China | China | Yu He | C | Meritorious Winner |
| 5352 | Peking University Health Science Center | P. R. China | Zhiyu Tang | C | Meritorious Winner |
| 5363 | National University of Defense Technology | P. R. China | Lizhi Cheng | C | Meritorious Winner |
| 5370 | Olin College | USA | Burt Tilley | C | Meritorious Winner |
| 5393 | National University of Defense Technology | P. R. China | Mengda Wu | C | Meritorious Winner |

2009 ICM Contest Results

| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|--|------------|---------------|---------|--------------------|
| 5604 | California State University Monterey Bay | USA | Hongde Hu | C | Meritorious Winner |
| 5652 | Bandung Institute of Technology | Indonesia | Agus Gunawan | C | Meritorious Winner |
| 5794 | PLA University of Science and Technology | P.R.China | Zhao Ying | C | Meritorious Winner |
| 5889 | Asbury College | USA | Kenneth Rietz | C | Meritorious Winner |
| 5890 | Asbury College | USA | Duk Lee | C | Meritorious Winner |
| 3853 | Fudan University | China | Yongji Tan | C | Honorable Mention |
| 3888 | Southwest University | China | Xuegao Zheng | C | Honorable Mention |
| 3905 | Harbin Institute of Technology | P.R. China | Hong Ge | C | Honorable Mention |
| 3911 | Harbin Institute of Technology | P.R. China | Junguo He | C | Honorable Mention |
| 3929 | Harbin Institute of Technology | China | Chiping Zhang | C | Honorable Mention |
| 3939 | Harbin Institute of Technology | P.R. China | Tong Zheng | C | Honorable Mention |

2009 ICM Contest Results

| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|---------------------------------|------------|----------------|---------|-------------------|
| 3955 | Harbin Institute of Technology | China | Zhenfeng Shi | C | Honorable Mention |
| 3959 | Harbin Institute of Technology | China | Qi Guo | C | Honorable Mention |
| 3964 | Harbin Institute of Technology | P.R. China | Xianyu Meng | C | Honorable Mention |
| 3978 | Harbin Institute of Technology | P.R. China | Lin Li | C | Honorable Mention |
| 3979 | Harbin Institute of Technology | P.R. China | Lin Li | C | Honorable Mention |
| 4001 | Shenzhen polytechnic | China | Jianlong Zhong | C | Honorable Mention |
| 4043 | Southeast University | China | Daoyuan Zhu | C | Honorable Mention |
| 4044 | Southeast University | China | Daoyuan Zhu | C | Honorable Mention |
| 4045 | Southeast University | China | Zhizhong Sun | C | Honorable Mention |
| 4089 | China Pharmaceutical University | China | Yan Fangrong | C | Honorable Mention |
| 4118 | Southeast University | P.R.China | Jun Huang | C | Honorable Mention |

2009 ICM Contest Results

| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|---|-------------|---------------|---------|-------------------|
| 4123 | Hangzhou Dianzi University | P. R. China | Zhifeng Zhang | C | Honorable Mention |
| 4150 | Sichuan Agricultural University | P.R.China | Xudong Liu | C | Honorable Mention |
| 4173 | Xidian University | P.R.China | Xuwen MU | C | Honorable Mention |
| 4180 | Dalian University of Technology | China | Tie Qiu | C | Honorable Mention |
| 4238 | Beijing Language and Culture University | China | Guilong Liu | C | Honorable Mention |
| 4242 | Beijing Language and Culture University | China | Yanbing Feng | C | Honorable Mention |
| 4250 | East China University of Science and Technology | China | Lu Xiwen | C | Honorable Mention |
| 4256 | East China University of Science and Technology | China | Qian Xiyuan | C | Honorable Mention |
| 4274 | Central South University | China | Muzhou Hou | C | Honorable Mention |
| 4280 | Central South University | China | Hongyan Zhang | C | Honorable Mention |
| 4282 | Xidian University, School of Science | China | Youlong YANG | C | Honorable Mention |

2009 ICM Contest Results

| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|--|-----------|--------------|---------|-------------------|
| 4295 | University of International Business and Economics | China | Jin Zhang | C | Honorable Mention |
| 4299 | University of International Business and Economics | China | Qiang Wang | C | Honorable Mention |
| 4308 | University of International Business and Economics | China | Hongyu Pan | C | Honorable Mention |
| 4322 | University of International Business and Economics | China | Yanling Su | C | Honorable Mention |
| 4341 | Shandong University at Weihai | P.R.China | Li Jing | C | Honorable Mention |
| 4360 | Zhejiang University | P.R.China | Zhiyi TAN | C | Honorable Mention |
| 4395 | Xiamen University | China | Jianguo Qian | C | Honorable Mention |
| 4438 | China University of Mining and Technology | P.R.China | Zhou Shengwu | C | Honorable Mention |
| 4446 | Nanjing University of Posts&Telecommunications | P.R.China | JIN XU | C | Honorable Mention |
| 4465 | Zhejiang Normal University | P.R.China | Youtian Qu | C | Honorable Mention |
| 4479 | Hefei University of Technology | P.R.China | Huaming Su | C | Honorable Mention |

2009 ICM Contest Results

| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|---|-------------|--------------|---------|-------------------|
| 4484 | Hefei University of Technology | P.R.China | Xueqiao Du | C | Honorable Mention |
| 4494 | Peking University | P. R. China | Yulong Liu | C | Honorable Mention |
| 4509 | Zhejiang Normal University | P.R.China | Youtian Qu | C | Honorable Mention |
| 4525 | Hangzhou Dianzi University | P. R. China | Wei Li | C | Honorable Mention |
| 4558 | Zhuhai College of Jinan University | China | Zhi-wei Wang | C | Honorable Mention |
| 4559 | Jilin University | P.R.China | Liu Mingji | C | Honorable Mention |
| 4560 | Zhuhai College of Jinan University | China | Zhi-wei Wang | C | Honorable Mention |
| 4580 | Dalian University | China | Tan Xinxin | C | Honorable Mention |
| 4585 | Dalian University | China | Gang Jiatai | C | Honorable Mention |
| 4596 | Univ. of Elec. Sci. and Tech. of China | P.R.China | Du Hongfei | C | Honorable Mention |
| 4601 | Huazhong University of Science and Technology | P.R.China | Zhibin Han | C | Honorable Mention |

2009 ICM Contest Results

| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|--|-------------|--------------------|---------|-------------------|
| 4635 | School of Physics, Peking University | P. R. China | Liqiang Sun | C | Honorable Mention |
| 4636 | School of Physics, Peking University | P. R. China | Liqiang Sun | C | Honorable Mention |
| 4651 | Xi'an Jiaotong University | P.R.China | Jiayin Wang | C | Honorable Mention |
| 4668 | Xi'an Jiaotong University | P.R.China | Zhuosheng Zhang | C | Honorable Mention |
| 4671 | University of Science and Technology Beijing | China | Jin Zhu | C | Honorable Mention |
| 4688 | Zhejiang Gongshang University | P.R.China | Li Yinfei | C | Honorable Mention |
| 4701 | Simpson College | USA | William Schellhorn | C | Honorable Mention |
| 4704 | Simpson College | USA | Clinton Meyer | C | Honorable Mention |
| 4717 | China University of Mining and Technology | P.R.China | Wu Zongxiang | C | Honorable Mention |
| 4757 | Peking University Health Science Center | P.R.China | An Jinbing | C | Honorable Mention |
| 4758 | Peking University Health Science Center | P.R.China | Gao Donghong | C | Honorable Mention |

2009 ICM Contest Results

| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|---|-----------------------|----------------|---------|-------------------|
| 4759 | Peking University Health Science Center | P.R.China | Wang Qiang | C | Honorable Mention |
| 4760 | Sichuan University,China | China | Qiong Chen | C | Honorable Mention |
| 4841 | Harbin University of Science and Technology | The People's Republic | Shanqiang Li | C | Honorable Mention |
| 4879 | Anhui University | China | Ligang Zhou | C | Honorable Mention |
| 4880 | Anhui University | China | Xuejun Wang | C | Honorable Mention |
| 4881 | Anhui University | China | Zhixiang Huang | C | Honorable Mention |
| 4891 | South China Agricultural University | China | Fang Shaomei | C | Honorable Mention |
| 4903 | harbin engineering university | P.R.China | zhang xiaowei | C | Honorable Mention |
| 4911 | Beijing Jiaotong University | China | Dan Xue | C | Honorable Mention |
| 4941 | Dalian University Of Technology | China | Xiaodan Zhang | C | Honorable Mention |
| 4947 | Dalian University Of Technology | China | Liang Zhang | C | Honorable Mention |

2009 ICM Contest Results

| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|--|-----------|-------------|---------|-------------------|
| 4963 | Dalian University of Technology | P.R.China | Tao Sun | C | Honorable Mention |
| 4966 | Dalian University of Technology | P.R.China | Meng Du | C | Honorable Mention |
| 4967 | Dalian University of Technology | P.R.China | Meng Du | C | Honorable Mention |
| 4971 | Dalian University of Technology | P.R.China | Dongjuan Fu | C | Honorable Mention |
| 4991 | Beijing Jiaotong University | China | Xun Chen | C | Honorable Mention |
| 4997 | School of Sci., Beijing Univ. of Posts & Telecomm | China | Zuguo He | C | Honorable Mention |
| 4998 | School of Sci., Beijing Univ. of Posts & Telecomm | China | Zuguo He | C | Honorable Mention |
| 5001 | School of Sci., Beijing Univ. of Posts & Telecomm. | China | Jinkou Ding | C | Honorable Mention |
| 5006 | School of Sci., Beijing Univ. of Posts & Telecomm. | China | Wenbo Zhang | C | Honorable Mention |
| 5012 | Beijing Univ. of Posts & Telecomm. | China | Wenbo Zhang | C | Honorable Mention |
| 5014 | Beijing Univ. of Posts & Telecomm. | China | Qing Zhou | C | Honorable Mention |

2009 ICM Contest Results

| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|--------------------------------------|-----------|--------------|---------|-------------------|
| 5015 | Beijing Univ. of Posts & Telecomm. | China | Jianhua Yuan | C | Honorable Mention |
| 5031 | Beijing Jiaotong University | China | Qiao Wang | C | Honorable Mention |
| 5052 | harbin engineering university | P.R.China | xu liyan | C | Honorable Mention |
| 5053 | harbin engineering university | P.R.China | xu liyan | C | Honorable Mention |
| 5056 | harbin engineering university | P.R.China | yang xuguang | C | Honorable Mention |
| 5061 | Jinan University | CHINA | Daiqiang HU | C | Honorable Mention |
| 5078 | Southeast University | China | Dan He | C | Honorable Mention |
| 5090 | Dalian University | China | Dong Xiangyu | C | Honorable Mention |
| 5101 | School of Physics, Peking University | China | Hongli Wang | C | Honorable Mention |
| 5115 | South China Normal University | China | Xiuxiang Liu | C | Honorable Mention |
| 5141 | South China Normal University | China | Hunan Li | C | Honorable Mention |

2009 ICM Contest Results

| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|--|-----------------------|----------------|---------|-------------------|
| 5177 | Princeton University | USA | Birgit Rudloff | C | Honorable Mention |
| 5210 | Capital University of Economics and Business | The People's Republic | Xue Li | C | Honorable Mention |
| 5239 | Beijing Univ. of Posts & Telecomm. | China | Lixia Wang | C | Honorable Mention |
| 5240 | Beijing Univ. of Posts & Telecomm. | China | Lixia Wang | C | Honorable Mention |
| 5241 | Beijing Univ. of Posts & Telecomm. | China | Xiaoxia Wang | C | Honorable Mention |
| 5242 | Beijing Univ. of Posts & Telecomm. | China | Xiaoxia Wang | C | Honorable Mention |
| 5278 | Harvey Mudd College | USA | Francis Su | C | Honorable Mention |
| 5284 | Capital University of Economics and Business | The People's Republic | Xue Li | C | Honorable Mention |
| 5286 | Capital University of Economics and Business | The People's Republic | Quan Zhang | C | Honorable Mention |
| 5301 | Tsinghua University | China | Zhiming Hu | C | Honorable Mention |
| 5302 | Zhejiang University City College | PRC | Xusheng Kang | C | Honorable Mention |

2009 ICM Contest Results

| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|---|-------------|---------------|---------|-------------------|
| 5303 | Zhejiang University City College | PRC | Gui Wang | C | Honorable Mention |
| 5305 | Zhejiang University City College | PRC | Xueyong Yu | C | Honorable Mention |
| 5307 | Zhejiang University City College | PRC | Huizeng Zhang | C | Honorable Mention |
| 5323 | Peking University | P.R.China | Xiao Fu | C | Honorable Mention |
| 5347 | Dalian University of Technology | Chian | Jiaxin Zhao | C | Honorable Mention |
| 5351 | Peking University | P. R. China | Zhiwei Tong | C | Honorable Mention |
| 5385 | National University of Defense Technology | P. R. China | Yi Wu | C | Honorable Mention |
| 5391 | National University of Defense Technology | P. R. China | Dan Wang | C | Honorable Mention |
| 5392 | National University of Defense Technology | P. R. China | Mengda Wu | C | Honorable Mention |
| 5395 | Central University of Finance and Economics | P.R.China | Xiaoming Fan | C | Honorable Mention |
| 5400 | Central University of Finance and Economics | P.R.China | Xiuguo Wang | C | Honorable Mention |

2009 ICM Contest Results

| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|---|---------------|---------------|---------|-------------------|
| 5401 | Central University of Finance and Economics | P.R.China | Xiuguo Wang | C | Honorable Mention |
| 5402 | Central University of Finance and Economics | Beijing | Zhaoxu Sun | C | Honorable Mention |
| 5404 | Central University of Finance and Economics | P.R.China | Zongze Chai | C | Honorable Mention |
| 5408 | Central University of Finance and Economics | China | Huiqing Huang | C | Honorable Mention |
| 5418 | Frontier Regional School | United States | Garrett Deane | C | Honorable Mention |
| 5427 | Frontier Regional School | USA | Carol Pike | C | Honorable Mention |
| 5432 | Frontier Regional School | USA | Steve Blinder | C | Honorable Mention |
| 5433 | Frontier Regional School | USA | Steve Blinder | C | Honorable Mention |
| 5435 | Frontier Regional School | USA | Bev MacLeod | C | Honorable Mention |
| 5451 | Frontier Regional | USA | Bill Canaday | C | Honorable Mention |
| 5467 | JINAN UNIVERSITY | CHINA | SHIZHUAN LUO | C | Honorable Mention |

2009 ICM Contest Results

| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|--|-----------|-----------------|---------|-------------------|
| 5476 | South China University of Technology | China | Weijian Ding | C | Honorable Mention |
| 5486 | Zhejiang University of Technology | P.R.China | Shiming Wang | C | Honorable Mention |
| 5487 | Zhejiang University of Technology | P.R.China | Yongqi Li | C | Honorable Mention |
| 5499 | South China University of Technology | China | Yi Hong | C | Honorable Mention |
| 5538 | Inner Mongolia University | P.R.China | HaiTao Han | C | Honorable Mention |
| 5541 | PLA University of Science and Technology | P.R.China | Yao Kui | C | Honorable Mention |
| 5548 | Shenyang Institute of Aeronautical Engineering | P.R.China | Liu Weifang | C | Honorable Mention |
| 5551 | Beijing University of Chemical Technology | P.R.China | Guangfeng Jiang | C | Honorable Mention |
| 5615 | Northeast Agricultural University | China | Fangge Li | C | Honorable Mention |
| 5649 | Shaoxing University | China | jinghui he | C | Honorable Mention |
| 5655 | North China Electric Power University | P.R.China | Zhang Keming | C | Honorable Mention |

2009 ICM Contest Results

| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|--|-----------------------|------------------|---------|------------------------|
| 5675 | Hunan University | China | Chuanxiu Ma | C | Honorable Mention |
| 5739 | Ningbo Institute of Technology,Zhejiang University | The People's Republic | Zhening LI | C | Honorable Mention |
| 5833 | Beloit College | USA | Paul Campbell | C | Honorable Mention |
| 5848 | Dalian University of Technology | P.R.China | Liang Zhang | C | Honorable Mention |
| 5858 | Dalian University of Technology | P.R.China | Lin Feng | C | Honorable Mention |
| 5884 | Asbury College | USA | David Coulliette | C | Honorable Mention |
| 3841 | American University in Dubai | United Arab Emirates | Jerry Lege | C | Successful Participant |
| 3842 | American University in Dubai | United Arab Emirates | Jerry Lege | C | Successful Participant |
| 3850 | Fudan University | China | Zhijie Cai | C | Successful Participant |
| 3876 | Donghua University | China, P.R. | Xiaofeng Wang | C | Successful Participant |
| 3889 | Southwest University | China | Jianjun Yuan | C | Successful Participant |

2009 ICM Contest Results

| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|-------------------------------------|------------|----------------|---------|------------------------|
| 3906 | Harbin Institute of Technology | P.R. China | Wei Shang | C | Successful Participant |
| 3908 | Harbin Institute of Technology | P.R. China | Ping Jiang | C | Successful Participant |
| 3930 | Harbin Institute of Technology | P.R. China | Guanghong Jiao | C | Successful Participant |
| 3943 | Harbin Institute of Technology | P.R. China | Yan Liu | C | Successful Participant |
| 3950 | Harbin Institute of Technology | P.R. China | Guoqing Liu | C | Successful Participant |
| 3960 | Harbin Institute of Technology | P.R. China | Guanghong Gao | C | Successful Participant |
| 3970 | Harbin Institute of Technology | P.R. China | Xiaoping Ji | C | Successful Participant |
| 3980 | Harbin Institute of Technology | China | Liwei Song | C | Successful Participant |
| 3984 | The Chinese University of Hong Kong | China | Leungfu Cheung | C | Successful Participant |
| 4002 | Shenzhen polytechnic | China | Kanzhen Chen | C | Successful Participant |
| 4006 | Dalian Maritime University | China | Yunjie Zhang | C | Successful Participant |

2009 ICM Contest Results

| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|---|-----------------------|---------------|---------|------------------------|
| 4030 | Dalian Maritime University | China | G. Chen | C | Successful Participant |
| 4033 | Dalian Maritime University | China | Yang Shuqin | C | Successful Participant |
| 4055 | Northwestern Polytechnical University | P.R.China | Quanyi Lu | C | Successful Participant |
| 4073 | China University of Geosciences | China | Haiying Wang | C | Successful Participant |
| 4075 | School of Information Technology | The People's Republic | Linlin Zhao | C | Successful Participant |
| 4079 | China University of Geosciences (Beijing) | China | Baozeng Chu | C | Successful Participant |
| 4084 | School of Information Technology | China | Cuixiang Wang | C | Successful Participant |
| 4086 | China University of Geosciences | China | Feng Jiegen | C | Successful Participant |
| 4114 | Southeast University | P.R.China | Feng Wang | C | Successful Participant |
| 4133 | Chongqing University | P.R.China | Jian Xiao | C | Successful Participant |
| 4135 | Chongqing University | P.R.China | Renbin He | C | Successful Participant |

2009 ICM Contest Results

| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|---|-----------------------|----------------|---------|------------------------|
| 4136 | Chongqing University | P.R.China | Tengzhong Rong | C | Successful Participant |
| 4143 | Zhejiang Sci-Tech University | The People's Republic | Hu Jueliang | C | Successful Participant |
| 4160 | Sichuan Agricultural University | P.R.China | Shiping Du | C | Successful Participant |
| 4162 | Chongqing University | P.R.China | Luosheng Wen | C | Successful Participant |
| 4168 | University of Science and Technology Beijing | China | Zhixing Hu | C | Successful Participant |
| 4176 | Shanghai University | China | Binwu He | C | Successful Participant |
| 4239 | Beijing Language and Culture University | China | Guilong Liu | C | Successful Participant |
| 4240 | Beijing Language and Culture University | China | Xiaoxia Zhao | C | Successful Participant |
| 4253 | East China University of Science and Technology | China | Lu Yuanhong | C | Successful Participant |
| 4272 | Beijing Language and Culture University | China | Xiwen Zhang | C | Successful Participant |
| 4285 | Xidian University, School of Science | China | Feng YE | C | Successful Participant |

2009 ICM Contest Results

| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|--|------------|----------------|---------|------------------------|
| 4293 | Harbin Institute Of Technology | China | Junping Wang | C | Successful Participant |
| 4296 | Anqing Teachers College | P.R. China | SU Yue | C | Successful Participant |
| 4300 | University of International Business and Economics | China | Qiang Wang | C | Successful Participant |
| 4310 | University of International Business and Economics | China | Ye Dongya | C | Successful Participant |
| 4311 | University of International Business and Economics | China | Ye Dongya | C | Successful Participant |
| 4320 | University of International Business and Economics | China | Wei Guo | C | Successful Participant |
| 4323 | University of International Bussiness and | China | Junlin Hao | C | Successful Participant |
| 4324 | University of International Business and Economics | China | Yiping Xu | C | Successful Participant |
| 4342 | Shandong University at Weihai | P.R.China | Sun Wei | C | Successful Participant |
| 4349 | Shandong University at Weihai | P.R.China | Wang Yang Bing | C | Successful Participant |
| 4359 | Zhejiang University | P.R.China | Qifan YANG | C | Successful Participant |

2009 ICM Contest Results

| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|--|-----------|--------------------|---------|------------------------|
| 4362 | Zhejiang University | P.R.China | Biao Wu | C | Successful Participant |
| 4368 | Beijing Forestry University | China | Mengning Gao | C | Successful Participant |
| 4380 | China University of Petroleum | China | CHEN Hua | C | Successful Participant |
| 4410 | Bemidji State University | USA | Colleen Livingston | C | Successful Participant |
| 4418 | Hong Kong Baptist University, | China | Kwong Ip Liu | C | Successful Participant |
| 4420 | Hong Kong Baptist University | China | Man Lai Tang | C | Successful Participant |
| 4426 | Beijing Institute of Technology | China | Gui-Feng Yan | C | Successful Participant |
| 4431 | Jilin University | P.R.China | Zheng Wenrui | C | Successful Participant |
| 4442 | Nanjing University of Posts&Telecommunications | P.R.China | Ye Jun | C | Successful Participant |
| 4475 | Beihang University | China | Haifeng Dong | C | Successful Participant |
| 4482 | Hefei University of Technology | P.R.China | Huaming Su | C | Successful Participant |

2009 ICM Contest Results

| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|--|-------------|----------------|---------|------------------------|
| 4483 | Shandong University | P.R.China | Jianliang Chen | C | Successful Participant |
| 4520 | Hangzhou Dianzi University | P. R. China | Zheyong Qiu | C | Successful Participant |
| 4522 | Hangzhou Dianzi University | P. R. China | Hao Shen | C | Successful Participant |
| 4527 | Hangzhou Dianzi University | P. R. China | Chengjia Li | C | Successful Participant |
| 4530 | School of Information Engineering, Hangzhou | P. R. China | Zongmao Cheng | C | Successful Participant |
| 4538 | North China Electric Power University, | China | Yagang Zhang | C | Successful Participant |
| 4539 | North China Electric Power University(Baoding) | China | Po Zhang | C | Successful Participant |
| 4546 | China University of Mining and Technology | P.R.China | Han Miao | C | Successful Participant |
| 4550 | Jilin University | P.R.China | chunling Chao | C | Successful Participant |
| 4554 | Jilin University | P.R.China | Yao Xiuling | C | Successful Participant |
| 4562 | Jilin University | P.R.China | Fang Peichen | C | Successful Participant |

2009 ICM Contest Results

| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|---|-----------|-----------------|---------|------------------------|
| 4594 | Beijing Institute of Technology | China | Huafei Sun | C | Successful Participant |
| 4595 | Univ. of Elec. Sci. and Tech. of China | P.R.China | Du Hongfei | C | Successful Participant |
| 4598 | Univ. of Elec. Sci. and Tech. of China | P.R.China | Zhang Yong | C | Successful Participant |
| 4599 | Univ. of Elec. Sci. and Tech. of China | P.R.China | He GuoLiang | C | Successful Participant |
| 4612 | China University of Mining and Technology | P.R.China | Shao Hu | C | Successful Participant |
| 4613 | BeiHang University | CHINA | Hongying Liu | C | Successful Participant |
| 4619 | Chongqing University | P.R.China | Li Fu | C | Successful Participant |
| 4624 | China University of Mining and Technology | P.R.China | Suo Xinli | C | Successful Participant |
| 4640 | Beijing Institute of Technology | China | Yan Dong | C | Successful Participant |
| 4666 | Xi'an Jiaotong University | P.R.China | Jicheng Li | C | Successful Participant |
| 4677 | Zhejiang Gongshang University | P.R.China | Ding Zhengzhong | C | Successful Participant |

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| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|---|-----------|----------------|---------|------------------------|
| 4686 | Peking University | China | Xiaodong Hu | C | Successful Participant |
| 4689 | Zhejiang Gongshang University | P.R.China | Zhu Ling | C | Successful Participant |
| 4692 | Zhejiang Gongshang University | P.R.China | Zhou Xuesong | C | Successful Participant |
| 4696 | Nanjing University of Information Science & | China | Guosheng Cheng | C | Successful Participant |
| 4720 | nanjing university | china | huiqun zhou | C | Successful Participant |
| 4730 | Beijing Jiaotong University | P.R.China | Bingli Fan | C | Successful Participant |
| 4737 | Beijing Jiaotong University | China | Yongsheng Wei | C | Successful Participant |
| 4738 | Beijing Jiaotong University | P.R.China | Wen Deng | C | Successful Participant |
| 4739 | Beijing Jiaotong University | P.R.China | Wen Deng | C | Successful Participant |
| 4746 | Zhuhai College of Jinan University | China | Advisor Team | C | Successful Participant |
| 4766 | Beijing Institute of Technology | PR. China | Chunlei Cao | C | Successful Participant |

2009 ICM Contest Results

| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|---|-----------|--------------|---------|------------------------|
| 4768 | Hunan University | China | Zhiqiang You | C | Successful Participant |
| 4776 | Nanjing University of Posts and | China | LiWei Xu | C | Successful Participant |
| 4779 | Xi'an Jiaotong University | P.R.China | Yuan Yi | C | Successful Participant |
| 4798 | China Agricultural University | P.R.China | Li GuoHui | C | Successful Participant |
| 4799 | ShanDong University | P.R.China | Fuxun Wang | C | Successful Participant |
| 4804 | China University of Mining and Technology | P.R.China | Gong Dunwei | C | Successful Participant |
| 4811 | Shandong University | P.R.China | Yuhai Zhang | C | Successful Participant |
| 4817 | College of Computer Science and Engineering | China | Liming Wang | C | Successful Participant |
| 4822 | Dalian Nationalities Innovation College | China | Rixia Bai | C | Successful Participant |
| 4827 | Dalian Nationalities University | China | Xiaoniu Li | C | Successful Participant |
| 4831 | College of Science; Dalian Nationalities | China | Jinzhi Wang | C | Successful Participant |

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| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|---|------------|---------------|---------|------------------------|
| 4834 | College of Science， Dalian Nationalities | China | Rendong Ge | C | Successful Participant |
| 4884 | Shanghai Finance University | P.R. China | Keyan Wang | C | Successful Participant |
| 4887 | Shanghai Finance University | P.R. China | Rongqiang Che | C | Successful Participant |
| 4888 | Shanghai Finance University | P.R. China | Chungen Shen | C | Successful Participant |
| 4895 | South China Agricultural University | China | Zeng Qingmao | C | Successful Participant |
| 4898 | harbin engineering university | P.R.China | zhu lei | C | Successful Participant |
| 4912 | Beijing Jiaotong University | China | Dan Xue | C | Successful Participant |
| 4919 | Dalian University | China | Liu Zixin | C | Successful Participant |
| 4926 | Zhejiang University of Finance and Economics | China P.R. | Ji Luo | C | Successful Participant |
| 4927 | Zhejiang University of Finance and Economics | China P.R. | Ji Luo | C | Successful Participant |
| 4930 | Beihang University | China | Wei Feng | C | Successful Participant |

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| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|------------------------------------|------------|--------------|---------|------------------------|
| 4939 | Shanghai Finance University | P.R. China | Xiaobin Li | C | Successful Participant |
| 4944 | Dalian University of Technology | P.R.China | Mingfeng He | C | Successful Participant |
| 4959 | Shanghai Finance University | P.R. China | Yong Fang | C | Successful Participant |
| 4974 | Dalian University of Technology | P.R.China | Zhen Wang | C | Successful Participant |
| 4976 | Dalian University of Technology | P.R.China | Zhen Wang | C | Successful Participant |
| 4992 | Beijing Jiaotong University | China | Xun Chen | C | Successful Participant |
| 5008 | Beijing Univ. of Posts & Telecomm. | China | Zuguo He | C | Successful Participant |
| 5039 | Tsinghua University | China | Jun Ye | C | Successful Participant |
| 5049 | harbin engineering university | P.R.China | wang jue | C | Successful Participant |
| 5063 | JINAN UNIVERSITY | CHINA | SHIZHUAN LUO | C | Successful Participant |
| 5065 | Dalian University | China | Zhang Cheng | C | Successful Participant |

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| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|---|-----------|--------------|---------|------------------------|
| 5073 | Shenyang Institute of Aeronautical Engineering, | China | Limei Zhu | C | Successful Participant |
| 5075 | Shenyang Institute of Aeronautical Engineering, | China | Shiyun Wang | C | Successful Participant |
| 5077 | Southeast University | China | Dan He | C | Successful Participant |
| 5085 | Tsinghua University | China | Mei Lu | C | Successful Participant |
| 5089 | Shenyang Institute of Aeronautical Engineering, | China | Yunqing Chen | C | Successful Participant |
| 5111 | Central University of Finance and Economics | P.R.China | Yuanzhu Lu | C | Successful Participant |
| 5173 | Shanghai Jiao Tong University | P.R.China | Baorui Song | C | Successful Participant |
| 5174 | Beijing Forestry University | CHINA | LI JUN | C | Successful Participant |
| 5191 | Peking University Health Science Center | P.R.China | He Dongqi | C | Successful Participant |
| 5229 | East China University of Science and Technology | P.R.China | Rende Yu | C | Successful Participant |
| 5233 | East China University of Science and Technology | P.R.China | Wenbin Huang | C | Successful Participant |

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| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|---|-----------------------|--------------|---------|------------------------|
| 5243 | Beijing Univ. of Posts & Telecomm. | China | Xinchao Zhao | C | Successful Participant |
| 5244 | Beijing Univ. of Posts & Telecomm. | China | Xinchao Zhao | C | Successful Participant |
| 5248 | School of Telecomm. Eng.,Beijing Univ. of Posts | China | Zuguo He | C | Successful Participant |
| 5249 | School of Telecomm. Eng.,Beijing Univ. of Posts | China | Lixia Wang | C | Successful Participant |
| 5252 | School of Telecomm. Eng.,Beijing Univ. of Posts | China | Xueli Wang | C | Successful Participant |
| 5282 | Nanjing University of Science and Technology | China | Chungen Xu | C | Successful Participant |
| 5290 | Capital University of Economics and Business | The People's Republic | Wei Shen | C | Successful Participant |
| 5310 | Southeast University | China | Rui Du | C | Successful Participant |
| 5318 | Southeast University | China | Rui Du | C | Successful Participant |
| 5321 | Henan Institute of Science and Technology | China | Donge Bao | C | Successful Participant |
| 5341 | Dalian University of Technology | China | Wenjie Liu | C | Successful Participant |

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| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|---|---------------|---------------|---------|------------------------|
| 5343 | Dalian University of Technology | China | Ling Xie | C | Successful Participant |
| 5346 | Dalian University of Technology | China | E Wang | C | Successful Participant |
| 5367 | National University of Defense Technology | P. R. China | Meihua Xie | C | Successful Participant |
| 5378 | Chengdu University of Technology | P.R.China | Wei YouHua | C | Successful Participant |
| 5387 | National University of Defense Technology | P. R. China | Wenqiang Yang | C | Successful Participant |
| 5398 | Central University of Finance and Economics | P.R.China | Xiaoming Fan | C | Successful Participant |
| 5410 | Central University of Finance and Economics | China | Xianjun Yin | C | Successful Participant |
| 5411 | Central University of Finance and Economics | China | Xianjun Yin | C | Successful Participant |
| 5412 | Central University of Finance and Economics | China | Donghong Li | C | Successful Participant |
| 5419 | Frontier Regional School | United States | Garrett Deane | C | Successful Participant |
| 5428 | Frontier Regional School | USA | Carol Pike | C | Successful Participant |

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| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|---|-----------|------------------|---------|------------------------|
| 5437 | Frontier Regional School | USA | Dave Mako | C | Successful Participant |
| 5440 | United States Military Academy | USA | Janet Braunstein | C | Successful Participant |
| 5450 | Frontier Regional | USA | Bill Canaday | C | Successful Participant |
| 5464 | Central University of Finance and Economics | China | Weihong Yu | C | Successful Participant |
| 5468 | JINAN UNIVERSITY | CHINA | CHUANLIN ZHANG | C | Successful Participant |
| 5481 | Zhejiang University of Technology | P.R.China | Wenxin Zhuo | C | Successful Participant |
| 5483 | Zhejiang University of Technology | P.R.China | Minghua Zhou | C | Successful Participant |
| 5485 | Zhejiang University of Technology | P.R.China | Shiming Wang | C | Successful Participant |
| 5492 | South China University of Technology | China | Manfa Liang | C | Successful Participant |
| 5536 | College of Food Science, Fujian Agriculture and | China | Yongxue Chen | C | Successful Participant |
| 5552 | Shenyang Institute of Aeronautical Engineering | P.R.China | li Yanjie | C | Successful Participant |

2009 ICM Contest Results

| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|--|-----------|---------------|---------|------------------------|
| 5557 | Shenyang Institute of Aeronautical Engineering | China | Wang Dan | C | Successful Participant |
| 5560 | Shenyang Institute of Aeronautical Engineering | P.R.China | Jiang Bo | C | Successful Participant |
| 5575 | PLA University of Science and Technology | P.R.China | Tian Zuwei | C | Successful Participant |
| 5619 | Northeast Agricultural University | China | Yueying Yang | C | Successful Participant |
| 5620 | Northeast Agricultural University | China | Yazhuo Zhang | C | Successful Participant |
| 5647 | Shaoxing University | China | jue lu | C | Successful Participant |
| 5650 | Dalian University | China | Liu Zixin | C | Successful Participant |
| 5651 | Dalian University | China | Liu Guangzhi | C | Successful Participant |
| 5657 | Wuhan University | China | Zhong Liuyi | C | Successful Participant |
| 5659 | Hunan University | China | Yueping Jiang | C | Successful Participant |
| 5674 | Hunan University | China | Han Luo | C | Successful Participant |

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| Ctrl # | Institution | Country | Advisor | Problem | Designation |
|--------|--|-----------------------|---------------|---------|------------------------|
| 5688 | Nanjing University of Science and Technology | China | Wei Xiao | C | Successful Participant |
| 5697 | Nanjing University of Science and Technology | China | Jun Zhang | C | Successful Participant |
| 5711 | Frontier Regional School | USA | Chevy Seney | C | Successful Participant |
| 5712 | Frontier Regional School | USA | Chevy Seney | C | Successful Participant |
| 5714 | Frontier Regional School | USA | Dave Mako | C | Successful Participant |
| 5733 | Ningbo Institute of Technology,Zhejiang University | The People's Republic | Jufeng Wang | C | Successful Participant |
| 5734 | Ningbo Institute of Technology,Zhejiang University | The People's Republic | Jufeng Wang | C | Successful Participant |
| 5742 | Ningbo Institute of Technology,Zhejiang University | The People's Republic | Qi Wei | C | Successful Participant |
| 5793 | Wuhan university,China | China | Zhuangchu Luo | C | Successful Participant |
| 5877 | LiaoCheng University | P.R.China | XianYang Zeng | C | Successful Participant |
| 5912 | Shanghai University of Finance and Economics | PR China | Yuying Jin | C | Successful Participant |