

2018 Interdisciplinary Contest in Modeling®

Press Release—April 20, 2018

COMAP is pleased to announce the results of the 20th annual Interdisciplinary Contest in Modeling (ICM). This year 9932 teams representing institutions from sixteen countries/regions participated in the contest. Seventeen teams were designated as OUTSTANDING representing the following schools:

- **Beijing University of Technology, China**
- **Ludong University, China**
- **Nanjing University, China**
- **Nanjing University of Information Science & Technology, China**
- **Peking University, China**
- **Shanghai Jiao Tong University, China (3) (93036 Vilfredo Pareto Award)**
- **Shenzhen University, China**
- **Skidmore College, NY, USA (INFORMS winner)**
- **Tianjin Polytechnic University, China**
- **Tsinghua University, China**
- **University of Electronic Science and Technology of China, China (2) (88508 INFORMS winner)**
- **Xi'an Jiaotong University, China (Rachel Carson Award)**
- **Xidian University, China (Leonhard Euler Award)**
- **Zhejiang Sci-Tech University, China (INFORMS winner)**

This year's contest ran from Thursday, February 8 to Monday, February 12, 2018. During that time, teams of three students researched, modeled, and communicated a solution to an open-ended interdisciplinary modeling problem. The 2018 ICM was an online contest, where teams registered and obtained contest materials through COMAP's ICM Website.

ICM teams chose one of the following three problems: The D Problem involved determining an architecture for an electric vehicle charging network to support full adoption of all-electric vehicles within a country. The models helped to identify the key factors that would be important for a nation to plan for an eventual ban or dramatic reduction of gasoline and diesel vehicles. The E Problem focused on the effects of climate change on fragile states. The teams created vulnerability models of a country's population to the impact of natural disasters, decreasing arable land, unpredictable weather, and increasing temperatures. The teams used their model to identify ways climate change limits a country's capacity to serve its populace and intervention strategies to mitigate these effects. The F Problem focused on policy modeling to determine the cost or value of personal information by considering what a person

could gain from keeping personal data private and what could be lost by revealing information. The models explicitly considered the domains of social media, financial transactions, and health records. In all three cases, teams searched for pertinent data and grappled with how phenomena internal and external to the system under study needed to be considered. The student teams came up with creative and relevant solutions to complex questions facing modern societies and built models to handle the tasks assigned in the problems. These problems also had the ever-present ICM requirements to use data analysis, creative modeling, and scientific methodology, along with effective writing and visualization to communicate their teams' results in a 20-page report. A selection from the Outstanding solution papers will be featured in *The UMAP Journal*, along with commentaries from the problem authors and judges. This year's judges remarked that due to the multi-disciplinary nature of the problems, teams solved these problems using a variety of methods and tools. This allowed teams to showcase their strengths in many diverse areas including information science, geography, geometry, optimization, networks, ecology, environmental sciences, public policy, economics, and dynamical systems.

2018 ICM Statistics

- **9932 Teams participated**
- **3158 Problem D submissions**
- **6176 Problem E submissions**
- **598 Problem F submissions**
- **157 US Teams (2%)**
- **9775 Foreign Teams (98%) from Australia, Canada, China, France, Hong Kong (SAR), India, Indonesia, Ireland, Japan, Netherlands, Singapore, Spain, Taiwan, Turkey and United Kingdom**
- **17 Outstanding Winners (1%)**
- **22 Finalist Winners (1%)**
- **936 Meritorious Winners (9%)**
- **3874 Honorable Mentions (38%)**
- **4657 Successful Participants (47%)**
- **50 Unsuccessful Participants (1%)**
- **376 Disqualified Teams (3%)**

ICM is associated with COMAP's Mathematical Contest in Modeling (MCM), which was held during the same weekend. ICM is designed to develop and advance interdisciplinary problem-solving skills in science, technology, engineering, mathematics (STEM) and the humanities, as well as competence in data science and written communication. Over the years the ICM problems have included topics in environmental science, biology, chemistry, resource management, operations research, information science, public health, and network science. Each team is expected to include advisors and team members who represent a range of disciplinary and interdisciplinary interests in applied problem solving and modeling. To obtain additional information about the ICM and to obtain a complete listing of all the team designations, please visit the ICM Website at: www.mcmcontest.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). 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.



Administered by
The Consortium for Mathematics
and Its Applications

Contest Director

Chris Arney, *United States Military Academy, NY*

Executive Director

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

Deputy Director/Head Judge

Amanda Beecher, *Ramapo College, NJ*

Head Judges

Amy Richmond, *United States Military Academy, NY*

Jessica Libertini, *Virginia Military Institute, VA*

Ralucca Gera, *Naval Postgraduate School, CA*

Kate Coronges, *Northeastern University, MA*

Yulia Tyshchuk, *Harvard University, MA*

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation | |
|--------|----------------------------------------|----------------|----------------|---------|--------------------|-----------------------|
| 83744 | Peking University | China | Shangbang Long | F | Outstanding Winner | |
| 87280 | Ludong University | China | Guangchen Liu | F | Outstanding Winner | |
| 88508 | University of Electronic Science and | China | Hou-biao Li | F | Outstanding Winner | INFORMS Award |
| 93036 | Shanghai Jiao Tong University | China | Duxing Hao | F | Outstanding Winner | Vilfredo Pareto Award |
| 81253 | Southwestern University Of Finance And | China | JiangMing Sun | F | Finalist | |
| 81638 | South China University of Technology | China | Qing Liu | F | Finalist | |
| 82744 | Tianjin University | China | Liangfu Lv | F | Finalist | |
| 83267 | Wuhan University | China | Xiaoxi Li | F | Finalist | |
| 85210 | Ningbo University | China | Chendong Xu | F | Finalist | |
| 90293 | China Three Gorges university | China | Jia He | F | Finalist | |
| 72399 | Tianjin Polytechnic University | China | Ziheng Zhang | F | Meritorious Winner | |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|---------------|---------------------------------|-----------------------|----------------|----------------|--------------------|
| 72789 | Beijing Normal University | China | li cui | F | Meritorious Winner |
| 73237 | HUA ZHONG UNIVERSITY OF SCIENCE | China | RUI DONG | F | Meritorious Winner |
| 74584 | Renmin University of China | China | Hao Jiang | F | Meritorious Winner |
| 74851 | Sun Yat-sen University | China | Yan Zeng | F | Meritorious Winner |
| 75319 | South-Central Minzu University | China | Xu Li | F | Meritorious Winner |
| 76269 | University of Colorado Boulder | USA | Manuel Lladser | F | Meritorious Winner |
| 76902 | Jilin University | China | Zhu Xiaocui | F | Meritorious Winner |
| 76970 | SICHUAN UNIVERSITY | China | RONGKUI YANG | F | Meritorious Winner |
| 77589 | Dalian University of Technology | China | Qihui Pan | F | Meritorious Winner |
| 78542 | Xi'an Jiaotong University | China | Yuying Wang | F | Meritorious Winner |
| 78801 | HARBIN ENGINEERING UNIVERSITY | China | ZHENBIN GAO | F | Meritorious Winner |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|---------------|-----------------------------------------|-----------------------|----------------|----------------|--------------------|
| 79019 | Renmin University of China | China | Zhewei Wei | F | Meritorious Winner |
| 79666 | Shanghai University of | China | Chunli Liu | F | Meritorious Winner |
| 80508 | Central South University | China | Deng Songhai | F | Meritorious Winner |
| 80545 | Wu Han Universtiy | China | Zheng Ji | F | Meritorious Winner |
| 80792 | Central South University | China | Deng Songhai | F | Meritorious Winner |
| 81133 | Tongda College of Nanjing University of | China | Shengxue Fan | F | Meritorious Winner |
| 81276 | Southwestern University of Finance and | China | Dai Dai | F | Meritorious Winner |
| 81318 | Northwest University | China | Ming Gou | F | Meritorious Winner |
| 82045 | Beijing Normal University | China | Li Cui | F | Meritorious Winner |
| 82424 | Minzu University of China | China | Shiyong Xu | F | Meritorious Winner |
| 82460 | Sun Yat-sen University | China | Yanhui Guan | F | Meritorious Winner |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|---------------|-------------------------------------------|-----------------------|----------------|----------------|--------------------|
| 82806 | XIDIAN UNIVERSITY | China | Yueshen Xu | F | Meritorious Winner |
| 82875 | Huazhong University of Science and | China | Zhengyang Mei | F | Meritorious Winner |
| 83116 | Beijing University of Chemical Technology | China | Xinhua Jiang | F | Meritorious Winner |
| 83801 | Beijing Jiaotong University | China | Bingtuan Wang | F | Meritorious Winner |
| 84077 | Beijing Jiaotong University | China | Bingtuan Wang | F | Meritorious Winner |
| 84697 | Southwestern University of Finance and | China | Yunlong Sun | F | Meritorious Winner |
| 84709 | East China Normal University | China | Haisheng Li | F | Meritorious Winner |
| 84836 | Anhui University of Finance and | China | Wei Zhang | F | Meritorious Winner |
| 85376 | Central University of Finance and | China | Mu Lin | F | Meritorious Winner |
| 85379 | Minzu University of China | China | Chuanhua Wei | F | Meritorious Winner |
| 85722 | University of Electronic Science and | China | Hou-biao Li | F | Meritorious Winner |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|--------------------------------|----------------|----------------|---------|--------------------|
| 86968 | Nantong University | China | HONGLIAN XIANG | F | Meritorious Winner |
| 87053 | XIDIAN UNIVERSITY | China | Banghe Han | F | Meritorious Winner |
| 87765 | Zhejiang University | China | Chaoyu HE | F | Meritorious Winner |
| 88449 | Tsinghua University | China | Heng Liang | F | Meritorious Winner |
| 88450 | Tsinghua University | China | Yuxiang Wan | F | Meritorious Winner |
| 88861 | Northeast Forestry University | China | Chunrui Zhang | F | Meritorious Winner |
| 88965 | RENMIN UNIVERSITY of CHINA | China | Wendong Shi | F | Meritorious Winner |
| 89041 | Beijing Normal University | China | Haiyang Huang | F | Meritorious Winner |
| 89668 | Beijing Normal University | China | Yingzhe Wang | F | Meritorious Winner |
| 89850 | University of Colorado Boulder | USA | Anne Dougherty | F | Meritorious Winner |
| 89893 | Tianjin University | China | Liangfu Lv | F | Meritorious Winner |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|---------------|-----------------------------------|-----------------------|----------------|----------------|--------------------|
| 90137 | Central South University | China | Liu Xinru | F | Meritorious Winner |
| 90303 | Xidian University | China | Banghe Han | F | Meritorious Winner |
| 90688 | Central University of Finance and | China | Xiaoming Fan | F | Meritorious Winner |
| 91955 | Nanjing Tech University | China | Xuebin Lyu | F | Meritorious Winner |
| 93146 | Shanghai Jiao Tong University | China | Duxing Hao | F | Meritorious Winner |
| 93227 | Duke University | USA | David Kraines | F | Meritorious Winner |
| 72391 | Central University of Finance and | China | Xiaoming Fan | F | Honorable Mention |
| 72426 | Liaoning University | China | Xin Qi | F | Honorable Mention |
| 72500 | Nankai University | China | Jia yu Yang | F | Honorable Mention |
| 72799 | Dalian Maritime University | China | Lidong Wang | F | Honorable Mention |
| 73096 | Dalian Maritime University | China | Hong Gao | F | Honorable Mention |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|-------------------------------------------|----------------|---------------|---------|-------------------|
| 73150 | Tianjin Polytechnic University | China | Huang Dongwei | F | Honorable Mention |
| 73265 | Northeastern University | China | Siqi Zhang | F | Honorable Mention |
| 73322 | East China Normal University | China | Qiang Yao | F | Honorable Mention |
| 73383 | University of International Business and | China | Mengke Lv | F | Honorable Mention |
| 73436 | Shandong University | China | Peng Li | F | Honorable Mention |
| 73472 | Nanjing University of Information Science | China | Hong Lv | F | Honorable Mention |
| 73536 | Shanghai Jiaotong University | China | Duxing Hao | F | Honorable Mention |
| 73652 | University of International Business and | China | Wei Tian | F | Honorable Mention |
| 73833 | Temple University | USA | Daniel Szyld | F | Honorable Mention |
| 73880 | Wuhan University | China | Xibo Sun | F | Honorable Mention |
| 73945 | Tsinghua university | China | dazhou lei | F | Honorable Mention |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|------------------------------------------|----------------|--------------|---------|-------------------|
| 74079 | Northwestern Polytechnical University | China | Wen Jiang | F | Honorable Mention |
| 74089 | Shenzhen University | China | Gongnong Li | F | Honorable Mention |
| 74114 | Sun Yat-sen University | China | Zibin Zheng | F | Honorable Mention |
| 74231 | University of Chinese Academy of Social | China | Yanxia Zheng | F | Honorable Mention |
| 74366 | University of International Business and | China | Yin Chen | F | Honorable Mention |
| 74434 | Yanbian University | China | Jiangang Li | F | Honorable Mention |
| 74629 | Huazhong University of Science and | China | Rui Dong | F | Honorable Mention |
| 74796 | Southwest University | China | Bin Liang | F | Honorable Mention |
| 74974 | Capital University of Economics and | China | Meng Li | F | Honorable Mention |
| 74990 | South China University of Technology | China | Shenquan Liu | F | Honorable Mention |
| 75004 | South China University of Technology | China | Shenquan Liu | F | Honorable Mention |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|------------------------------------------|----------------|---------------|---------|-------------------|
| 75014 | Shanghai Jiao Tong University | China | Duxing Hao | F | Honorable Mention |
| 75161 | Dalian University of Technology | China | Linlin Tian | F | Honorable Mention |
| 75265 | Beijing Normal University | China | Yingzhe Wang | F | Honorable Mention |
| 75363 | The College of Post and Telecommunicatio | China | Shu-zhen Zhao | F | Honorable Mention |
| 75382 | Huazhong Agricultural University | China | XIN TANG | F | Honorable Mention |
| 75672 | TongJi University | China | MeiSong Tong | F | Honorable Mention |
| 75699 | Sun Yat-sen University | China | Zhujun Fan | F | Honorable Mention |
| 75720 | University of International Business and | China | Yu Gao | F | Honorable Mention |
| 75776 | Southwest Jiaotong University | China | Yueliang Xu | F | Honorable Mention |
| 75778 | SWJTU University | China | Fname Lname | F | Honorable Mention |
| 76229 | Xi'an University of Posts and | China | Xie Xie | F | Honorable Mention |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|-----------------------------------------|----------------|---------------|---------|-------------------|
| 76243 | Xi'an University of Posts and | China | Xiao-Jia Liu | F | Honorable Mention |
| 76409 | Shandong University of Science and | China | Yulin Zhang | F | Honorable Mention |
| 76420 | North China Electric Power University | China | Chao Yuan | F | Honorable Mention |
| 76446 | Sun Yat-sen University | China | Zhihong Luo | F | Honorable Mention |
| 76467 | ZhongNan University of Economics and | China | Jingsong Chen | F | Honorable Mention |
| 76524 | Sun Yat-sen University | China | Zhenglu Jiang | F | Honorable Mention |
| 76534 | Nanjing Agricultural University | China | Yangjun Wen | F | Honorable Mention |
| 76558 | Yuncheng University | China | Baoli Wang | F | Honorable Mention |
| 76587 | Nankai University | China | Xuebo Zhang | F | Honorable Mention |
| 76868 | Tsinghua University | China | Heng Liang | F | Honorable Mention |
| 76913 | Harbin Institute of Technology (Weihai) | China | Huan Su | F | Honorable Mention |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|---------------|--------------------------------------------------|-----------------------|----------------------|----------------|--------------------------|
| 76933 | Central China Normal University | China | Yaoqing Duan | F | Honorable Mention |
| 76946 | South China Agricultural University | China | Wang xia | F | Honorable Mention |
| 76952 | South China Agricultural University | China | Jiang Xueping | F | Honorable Mention |
| 76966 | Wuhan University | China | Jingwei Li | F | Honorable Mention |
| 77022 | Tianjin Polytechnic University | China | Dongwei Huang | F | Honorable Mention |
| 77218 | Henan Polytechnic University | China | Wenling Li | F | Honorable Mention |
| 77302 | China University of Political science and | China | SHUHUAN LIU | F | Honorable Mention |
| 77608 | Dalian University of Technology | China | Yiwei Liu | F | Honorable Mention |
| 77713 | Southeast University | China | Xingang Jia | F | Honorable Mention |
| 77718 | Southeast University | China | Xingang Jia | F | Honorable Mention |
| 78016 | Southwest University | China | Haisen Zhang | F | Honorable Mention |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|----------------------------------------|----------------|----------------|---------|-------------------|
| 78510 | Xi'an Jiaotong University | China | huanqin li | F | Honorable Mention |
| 78523 | Xi'an Jiaotong University | China | lei chen | F | Honorable Mention |
| 78545 | Xi'an Jiaotong University | China | Yuying Wang | F | Honorable Mention |
| 78576 | Xi'an Jiaotong University | China | Fang Zhang | F | Honorable Mention |
| 78835 | China Foreign Affairs University | China | Caixia Wang | F | Honorable Mention |
| 78869 | China Three Gorges University | China | Huashan Su | F | Honorable Mention |
| 79078 | Shanghai University of Finance and | China | Yuquan Ye | F | Honorable Mention |
| 79090 | Northeastern University at Qinhuangdao | China | Shangguo Zhang | F | Honorable Mention |
| 79098 | Sun Yat-sen University | China | Zhujun Fan | F | Honorable Mention |
| 79290 | Dongbei University of Finance and | China | Zhandong Xu | F | Honorable Mention |
| 79450 | SUFE | China | Genxiang Shen | F | Honorable Mention |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|----------------------------------------|----------------|---------------|---------|-------------------|
| 79587 | The Chinese University of Hong Kong, | China | Feng Yin | F | Honorable Mention |
| 79756 | Central South University | China | Zhang Hongyan | F | Honorable Mention |
| 79778 | Central South University | China | Li Ying | F | Honorable Mention |
| 79900 | Central South University | China | Qin Xuanyun | F | Honorable Mention |
| 80010 | Southwestern University of Finance and | China | Lu Liu | F | Honorable Mention |
| 80072 | Central South University | China | Liu Xinge | F | Honorable Mention |
| 80100 | Central South University | China | Fang Qiulian | F | Honorable Mention |
| 80120 | Central South University | China | Fang Qiulian | F | Honorable Mention |
| 80161 | University of Electronic Science and | China | Long Guo | F | Honorable Mention |
| 80212 | Central South University | China | He Wei | F | Honorable Mention |
| 80279 | Southwestern University of Finance and | China | dai dai | F | Honorable Mention |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|----------------------------------------|----------------|----------------|---------|-------------------|
| 80387 | Central South University | China | Zhang Wei | F | Honorable Mention |
| 80421 | North China Electric Power University | China | hua Wei | F | Honorable Mention |
| 80520 | Central University of Finance and | China | Xiaoming Fan | F | Honorable Mention |
| 80852 | Southwestern University of Finance and | China | Qingbang Zhang | F | Honorable Mention |
| 80909 | Southwestern University of Finance and | China | Xuesong Tang | F | Honorable Mention |
| 80938 | Xiamen University | China | Zhong Tan | F | Honorable Mention |
| 80999 | Central University of Finance and | China | Xiaoming Fan | F | Honorable Mention |
| 81030 | Nantong University | China | Ling Sun | F | Honorable Mention |
| 81280 | Wuhan University of Technology | China | Lei Shen | F | Honorable Mention |
| 81780 | Central University of Finance and | China | Xiaoming Fan | F | Honorable Mention |
| 81783 | Central University of Finance and | China | Mu Lin | F | Honorable Mention |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|-----------------------------------|----------------|--------------|---------|-------------------|
| 81787 | Central University of Finance and | China | Xiaoming Fan | F | Honorable Mention |
| 81793 | Central University of Finance and | China | Xiaoming Fan | F | Honorable Mention |
| 81802 | Central University of Finance and | China | Xiaoming Fan | F | Honorable Mention |
| 81961 | HUAZHONG UNIVERSITY OF SCIENCE | China | FIONA LIU | F | Honorable Mention |
| 82040 | Beijing Normal University | China | Yingzhe Wang | F | Honorable Mention |
| 82071 | Nankai University | China | Aimin Zhou | F | Honorable Mention |
| 82075 | Xiamen University | China | Tan Zhong | F | Honorable Mention |
| 82175 | Central University of Finance and | China | Mu Lin | F | Honorable Mention |
| 82255 | Dalian Minzu University | China | Datian Niu | F | Honorable Mention |
| 82385 | Shihezi University | China | Rui Guo | F | Honorable Mention |
| 82472 | XIDIAN UNIVERSITY | China | Banghe Han | F | Honorable Mention |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|--------------------------------------|----------------|----------------|---------|-------------------|
| 82489 | Shanghai Jiao Tong University | China | Jianhui Shang | F | Honorable Mention |
| 82553 | XIDIAN UNIVERSITY | China | Shengli Zhang | F | Honorable Mention |
| 82713 | WuHan University | China | Arya Lee | F | Honorable Mention |
| 82717 | Xi'an University of Architecture and | China | Junmin Zhang | F | Honorable Mention |
| 82759 | Shanghai Normal University | China | Wanyuan Xu | F | Honorable Mention |
| 82848 | Sun Yat-sen University | China | Xiaolong Jiang | F | Honorable Mention |
| 83051 | Qinghai University | China | Yanzhong Zhao | F | Honorable Mention |
| 83073 | Sun Yat-sen University | China | Guocan Feng | F | Honorable Mention |
| 83191 | Central University of Finance and | China | Xiaoming Fan | F | Honorable Mention |
| 83294 | Tsinghua University | China | Heng Liang | F | Honorable Mention |
| 83468 | Beijing Jiaotong University | China | Bingtuan Wang | F | Honorable Mention |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|---------------|-----------------------------------------|-----------------------|----------------|----------------|--------------------|
| 83482 | Tianjin University | China | Shuibo Zhang | F | Honorable Mention |
| 83501 | capital university of economics and | China | caiji pang | F | Honorable Mention |
| 83537 | Shanghai Jiao Tong University | China | Duxing Hao | F | Honorable Mention |
| 83549 | Nankai University | China | Bo Xian Yang | F | Honorable Mention |
| 83663 | China Agricultural University | China | Mingyun Tang | F | Honorable Mention |
| 83734 | Wuhan University | China | Xiaoxi Li | F | Honorable Mention |
| 83793 | Harbin Institute of Technology (Weihai) | China | Qiang Ma | F | Honorable Mention |
| 83863 | Wuhan University | China | Zhuangchu Luo | F | Honorable Mention |
| 83963 | Shanghai Normal University | China | Zhaoxiang LI | F | Honorable Mention |
| 84068 | Nankai University | China | LI YANG | F | Honorable Mention |
| 84177 | Tsinghua University | China | Heng Liang | F | Honorable Mention |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|-------------------------------------|----------------|----------------|---------|-------------------|
| 84273 | Beijing University of Posts and | China | Hui Tong | F | Honorable Mention |
| 84313 | Chongqing University | China | Jianwen XU | F | Honorable Mention |
| 84345 | Chongqing University | China | Guanghai Huang | F | Honorable Mention |
| 84477 | Hunan University | China | Xingen Chu | F | Honorable Mention |
| 84505 | Hunan University | China | Zhuoran Du | F | Honorable Mention |
| 84600 | Central University of Finance and | China | Xiaoming Fan | F | Honorable Mention |
| 84624 | Hunan University | China | Zhaohui Yuan | F | Honorable Mention |
| 84631 | Beijing Jiaotong University | China | Bingtuan Wang | F | Honorable Mention |
| 84662 | Hunan University | China | Mingjie Cai | F | Honorable Mention |
| 84675 | Chongqing University of Science and | China | Jing Fu | F | Honorable Mention |
| 84783 | Wuhan University | China | Shibing You | F | Honorable Mention |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|---------------|------------------------------------------|-----------------------|----------------|----------------|--------------------|
| 84924 | Xiamen University | China | Tan Zhong | F | Honorable Mention |
| 84927 | Huazhong Agricultural University | China | Yanling Xu | F | Honorable Mention |
| 84950 | North University of China | China | Gongmin Zhao | F | Honorable Mention |
| 84957 | Chongqing University | China | Chaolin Liu | F | Honorable Mention |
| 85009 | University of Chinese Academy of Science | China | JUN GANG XU | F | Honorable Mention |
| 85031 | Sichuan Agricultural University | China | Yue Wang | F | Honorable Mention |
| 85037 | Central University of Finance and | China | Xiaoming Fan | F | Honorable Mention |
| 85070 | Jiangnan University | China | Qiong Cai | F | Honorable Mention |
| 85142 | Shanghai University | China | Xiying Yuan | F | Honorable Mention |
| 85590 | Central University of Finance and | China | Chengzhan Wang | F | Honorable Mention |
| 85711 | University of Electronic Science and | China | Yong Zhang | F | Honorable Mention |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|--------------------------------------------|----------------|---------------|---------|-------------------|
| 85868 | Southwestern University of Finance and | China | wu hang | F | Honorable Mention |
| 85958 | Southeast University | China | Feng Wang | F | Honorable Mention |
| 86009 | North China Electric Power University | China | Huifeng Shi | F | Honorable Mention |
| 86180 | Beijing Normal University | China | Yingzhe Wang | F | Honorable Mention |
| 86220 | Shanghai Jiao Tong University | China | Duxing Hao | F | Honorable Mention |
| 86235 | Central University of Finance and | China | Xiaoming Fan | F | Honorable Mention |
| 86275 | China Agricultural University | China | Yuanchang Shi | F | Honorable Mention |
| 86477 | Xi'an University of Architecture and | China | Yong Liu | F | Honorable Mention |
| 86555 | Beihang University | China | Binghui Guo | F | Honorable Mention |
| 86573 | Nanjing normal University | China | Feng Wang | F | Honorable Mention |
| 86635 | Shanghai University of Traditional Chinese | China | Fan Hu | F | Honorable Mention |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|-----------------------------------|----------------|-----------------|---------|-------------------|
| 86678 | Chongqing University | China | Zhengmin Duan | F | Honorable Mention |
| 86862 | Central University of Finance and | China | Xiaoming Fan | F | Honorable Mention |
| 86892 | Nanjing Agricultural University | China | Zhongliang Tang | F | Honorable Mention |
| 86919 | Nanjing Normal University | China | QunSheng Zhu | F | Honorable Mention |
| 86959 | Nantong University | China | TIANPEI TANG | F | Honorable Mention |
| 86964 | Nanjing University of Posts and | China | Zhonghua Qiu | F | Honorable Mention |
| 87022 | Beijing University of Posts and | China | Chuang Zhang | F | Honorable Mention |
| 87103 | Xidian University | China | Jianbang Ding | F | Honorable Mention |
| 87117 | Huazhong University of Science & | China | ZhengYang Mei | F | Honorable Mention |
| 87189 | Beijing Normal University | China | Zeyun Liu | F | Honorable Mention |
| 87242 | Beijing University of Posts and | China | Zhang Lihua | F | Honorable Mention |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|------------------------------------------|----------------|------------------|---------|-------------------|
| 87312 | Shanghai University | China | Yanqin Bai | F | Honorable Mention |
| 87318 | JiangXi University of Science and | China | Xiaofeng Xiong | F | Honorable Mention |
| 87374 | Singapore University of Technology and | Singapore | Sergey Kushnarev | F | Honorable Mention |
| 87425 | Central University of Finance and | China | Ting Ji | F | Honorable Mention |
| 87460 | Hefei University of Technology | China | Xianfa Jiao | F | Honorable Mention |
| 87633 | Southwestern University of Finance and | China | Dai Dai | F | Honorable Mention |
| 87823 | Beijing Normal University | China | Cui Li | F | Honorable Mention |
| 87826 | Hefei University of Technology | China | Xianfa Jiao | F | Honorable Mention |
| 87964 | Tsinghua University | China | Heng Liang | F | Honorable Mention |
| 87983 | Ningbo Institute of Technology, Zhejiang | China | Li Hui Tu | F | Honorable Mention |
| 87993 | Ningbo Institute of Technology, Zhejiang | China | Sha Sha Li | F | Honorable Mention |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|-------------------------------------------|----------------|---------------|---------|-------------------|
| 88003 | School of Mathematics and Statistics, | China | Zhuangchu Luo | F | Honorable Mention |
| 88177 | Renmin University of China | China | Sanxi Li | F | Honorable Mention |
| 88281 | Sichuan University | China | Yingyi Tan | F | Honorable Mention |
| 88346 | Nanjing University | China | Chuan Li | F | Honorable Mention |
| 88394 | China University of Geosciences | China | Yan Deng | F | Honorable Mention |
| 88757 | University of International Relations | China | Xin Tang | F | Honorable Mention |
| 88873 | Harbin Institute of Technology | China | Yong Chen | F | Honorable Mention |
| 88880 | Shihezi University | China | Shuqin Wu | F | Honorable Mention |
| 88911 | Hohai University Changzhou Campus | China | Huili Ma | F | Honorable Mention |
| 88961 | Wuhan University | China | Yuanming Hu | F | Honorable Mention |
| 89036 | National University of Defense Technology | China | D. Wang | F | Honorable Mention |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|-------------------------------------------|----------------|-------------|---------|-------------------|
| 89085 | Beijing University of Technology | China | Jing Li | F | Honorable Mention |
| 89100 | National University of Defense Technology | China | D. Wang | F | Honorable Mention |
| 89118 | Shaanxi University of Technology | China | Lihua Liu | F | Honorable Mention |
| 89247 | Nanjing University of Science and | China | Zhipeng Qiu | F | Honorable Mention |
| 89359 | Capital University of Economics and | China | Qiao Wang | F | Honorable Mention |
| 89466 | Guangdong University of Foreign Study | China | Yunhua Tian | F | Honorable Mention |
| 89484 | Zhejiang University of Finance and | China | Jie Sun | F | Honorable Mention |
| 89734 | Capital University of Economics and | China | Xue Li | F | Honorable Mention |
| 89748 | Renmin University of China | China | Lianzu Jiao | F | Honorable Mention |
| 89953 | Nanchang University | China | Liu Binbin | F | Honorable Mention |
| 89976 | Beihang University | China | Binghui Guo | F | Honorable Mention |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|-------------------------------------------|----------------|--------------|---------|-------------------|
| 89981 | Shandong University | China | Baodong Liu | F | Honorable Mention |
| 90184 | Nanchang University | China | Dong Qiuxian | F | Honorable Mention |
| 90196 | Central South University | China | Liu Shengjun | F | Honorable Mention |
| 90218 | Nanjing Normal University | China | Yijian Liu | F | Honorable Mention |
| 90429 | Yunnan University of Finance and | China | Xiong Mei | F | Honorable Mention |
| 90650 | National University of Defense Technology | China | Dan Wang | F | Honorable Mention |
| 90703 | Beijing University of Posts and | China | Jie Sun | F | Honorable Mention |
| 90855 | Nankai University | China | Xinzhe Xie | F | Honorable Mention |
| 90900 | Renmin University | China | Zhixin Dai | F | Honorable Mention |
| 90993 | Beijing University of Technology | China | Weiling Guo | F | Honorable Mention |
| 91157 | Zhejiang University of Technology | China | Minghua Zhou | F | Honorable Mention |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|----------------------------------------|----------------|----------------|---------|-------------------|
| 91199 | Fuyang Normal University | China | GE Xintong | F | Honorable Mention |
| 91271 | Sun Yat-sen University | China | Qiru Wang | F | Honorable Mention |
| 91318 | Guilin University of Technology | China | Chunsong Jiang | F | Honorable Mention |
| 91495 | Shanghaitech University | China | Yuanming Shi | F | Honorable Mention |
| 91516 | Beijing University of Posts and | China | Jing Ran | F | Honorable Mention |
| 91525 | Qingdao University of Technology | China | Chengyou Bao | F | Honorable Mention |
| 91543 | Beijing University of Posts and | China | Wenjun Xu | F | Honorable Mention |
| 91569 | Southwestern University of Finance and | China | Yunlong Sun | F | Honorable Mention |
| 91613 | Northeast Normal University | China | Ruo Jia | F | Honorable Mention |
| 91750 | Nankai University | China | He Jia | F | Honorable Mention |
| 91858 | Tianjing University of Finance and | China | Wei Ma | F | Honorable Mention |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|----------------------------------------|----------------|---------------|---------|-------------------|
| 92308 | Hangzhou Normal University | China | Yuexia Huang | F | Honorable Mention |
| 92321 | Fujian Normal University | China | Jia Tang | F | Honorable Mention |
| 92397 | Beijing Normal University | China | Yingzhe Wang | F | Honorable Mention |
| 92452 | Sun Yat-sen University | China | Sijing Chen | F | Honorable Mention |
| 92543 | Beijing University of Posts and | China | yi Wang | F | Honorable Mention |
| 92758 | The Army Engineering University of PLA | China | Zisen Mao | F | Honorable Mention |
| 92824 | Sichuan University | China | YANG WENG | F | Honorable Mention |
| 92961 | Hunan University of Commerce | China | Rongping Chen | F | Honorable Mention |
| 93020 | The Army Engineering University of PLA | China | Kui Yao | F | Honorable Mention |
| 93021 | Chongqing University of Technology | China | Yong Fu | F | Honorable Mention |
| 93063 | Henan Normal University | China | Lin Sun | F | Honorable Mention |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|--------------------------------------|----------------|------------------|---------|------------------------|
| 93204 | Zhongnan University of Economics and | China | Haoyuan Qin | F | Honorable Mention |
| 93296 | Tianjin University | China | Tailai Jin | F | Honorable Mention |
| 93327 | Mount Holyoke College | USA | Dylan Shepardson | F | Honorable Mention |
| 93454 | Naval University of Engineering | China | Mei Dan | F | Honorable Mention |
| 93743 | Wuhan University | China | Yuanming Hu | F | Honorable Mention |
| 72395 | Renmin University of China | China | Jinwu Gao | F | Successful Participant |
| 72580 | Sichuan Agricultural University | China | Ping Hu | F | Successful Participant |
| 72619 | Capital University of Economics and | China | Tao Ren | F | Successful Participant |
| 72622 | Capital University of Economics and | China | Tao Ren | F | Successful Participant |
| 72723 | Capital University of Economics and | China | Tao Ren | F | Successful Participant |
| 72809 | Dalian Maritime University | China | Lidong Wang | F | Successful Participant |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|---------------|-------------------------------------------|-----------------------|----------------|----------------|------------------------|
| 72928 | Dalian Maritime University | China | Shuqin Yang | F | Successful Participant |
| 73078 | Dalian Maritime University | China | Hong Gao | F | Successful Participant |
| 73079 | Nanjing University of Information Science | China | Guosheng Cheng | F | Successful Participant |
| 73140 | University of International Business and | China | Zeyu Yang | F | Successful Participant |
| 73259 | Northwestern Polytechnical University | China | You Lu | F | Successful Participant |
| 73317 | Tianjin University | China | Liangfu Lv | F | Successful Participant |
| 73430 | Nanjing University of Information Science | China | Hong Lv | F | Successful Participant |
| 73592 | Sun Yat-sen University | China | Zhenglu Jiang | F | Successful Participant |
| 73727 | DongBei University of Finance and | China | JiaNing Xie | F | Successful Participant |
| 73746 | Southeast University | China | Enshui Chen | F | Successful Participant |
| 73839 | Dalian University of Technology | China | Qiuwei Pan | F | Successful Participant |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|---------------|------------------------------------------|-----------------------|----------------|----------------|------------------------|
| 73865 | East China Normal University | China | Qiang Yao | F | Successful Participant |
| 73895 | Inner Mongolia Medical University | China | Taofeng Xie | F | Successful Participant |
| 74046 | Fuzhou University | China | Xiaomei Zhang | F | Successful Participant |
| 74064 | University of International Business and | China | Yin Chen | F | Successful Participant |
| 74103 | Southeast University | China | Enshui Chen | F | Successful Participant |
| 74106 | Southeast University | China | Enshui Chen | F | Successful Participant |
| 74157 | China University of Petroleum,Beijing | China | Dexin Meng | F | Successful Participant |
| 74162 | Southeast University | China | Rui Du | F | Successful Participant |
| 74164 | Capital Medical University | China | LIN LI | F | Successful Participant |
| 74181 | Sichuan Normal University | China | Wangyong Lv | F | Successful Participant |
| 74212 | Tongji University | China | Zhijian Qian | F | Successful Participant |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|---------------|------------------------------------------|-----------------------|----------------|----------------|------------------------|
| 74241 | University of International Business and | China | Quanrun Chen | F | Successful Participant |
| 74283 | Huanggang Normal University | China | Xuejun Zhou | F | Successful Participant |
| 74386 | Northeastern University(China) | China | Junchang Xin | F | Successful Participant |
| 74433 | Southern University of Science and | China | Jingzhi Li | F | Successful Participant |
| 74476 | Harbin Institute of Technology | China | Xiaofang Li | F | Successful Participant |
| 74519 | Harbin Institute of Technology | China | Dongjie Zhu | F | Successful Participant |
| 74612 | Northwest A&F University | China | Lifei Zheng | F | Successful Participant |
| 74800 | Southwest University | China | Yan Li | F | Successful Participant |
| 74942 | Dalian University of Technology | China | Ming Zhu | F | Successful Participant |
| 75028 | Guangdong University of Technology | China | Weihua He | F | Successful Participant |
| 75057 | Southern University of Science and | China | Jingzhi Li | F | Successful Participant |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|------------------------------------------|----------------|--------------|---------|------------------------|
| 75096 | Guangdong University of Technology | China | Chaoyong Jin | F | Successful Participant |
| 75192 | University of International Business and | China | Runze Zhu | F | Successful Participant |
| 75318 | South-Central Minzu University | China | Xu Li | F | Successful Participant |
| 75412 | North China Electric Power University | China | Shihui Dai | F | Successful Participant |
| 75416 | Peking University | China | Zijing Dong | F | Successful Participant |
| 75427 | University of International Business and | China | Lei La | F | Successful Participant |
| 75546 | Sun Yat-sen University | China | Peixing Li | F | Successful Participant |
| 75628 | Yunnan University | China | Rong Chan | F | Successful Participant |
| 75686 | Donghua University | China | Huashan Liu | F | Successful Participant |
| 75859 | Dalian University of Technology | China | Qihui Pan | F | Successful Participant |
| 75993 | Shanghai University of International | China | Shu Liu | F | Successful Participant |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|-----------------------------------------|----------------|--------------|---------|------------------------|
| 76259 | Tongji University | China | Junfeng Yin | F | Successful Participant |
| 76398 | Shanghai Jiao Tong University | China | Jing Liu | F | Successful Participant |
| 76400 | Shanghai Jiao Tong University | China | Jing Liu | F | Successful Participant |
| 76432 | Inner Mongolia University | China | Mengzhou Fan | F | Successful Participant |
| 76502 | Nankai University | China | Song Gao | F | Successful Participant |
| 76522 | High School Affiliated to Shanghai Jiao | China | Mengjie Hu | F | Successful Participant |
| 76532 | Nankai University | China | LiPing An | F | Successful Participant |
| 76595 | Sun Yat-sen University | China | Yanhui Li | F | Successful Participant |
| 76604 | Shanghai Normal University | China | Yalei Jin | F | Successful Participant |
| 76870 | Jilin University | China | Xu Decai | F | Successful Participant |
| 76992 | Beijing Normal University | China | Huajie Chen | F | Successful Participant |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|---------------|-------------------------------------------|-----------------------|----------------|----------------|------------------------|
| 77107 | Dalian University of Technology | China | Qihui Pan | F | Successful Participant |
| 77117 | Dalian University of Technology | China | Qihui Pan | F | Successful Participant |
| 77166 | South China University of Technology | China | Yongan Qin | F | Successful Participant |
| 77290 | Ocean University of China | China | Piwei Chen | F | Successful Participant |
| 77326 | Information Engineering University | China | Hang Chen | F | Successful Participant |
| 77414 | Dalian University of Technology | China | Yiwei Liu | F | Successful Participant |
| 77484 | Dalian University of Technology | China | Qihui Pan | F | Successful Participant |
| 77653 | Dalian University of Technology | China | Qihui Pan | F | Successful Participant |
| 77802 | South China Normal University | China | Jiaolian Wu | F | Successful Participant |
| 77998 | Southwest University | China | Jianjun Wang | F | Successful Participant |
| 78096 | China University of Political Science and | China | Liwei Shi | F | Successful Participant |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|---------------|--------------------------------------------|-----------------------|----------------|----------------|------------------------|
| 78105 | Shenyang Agricultural University | China | shurong Hui | F | Successful Participant |
| 78173 | Harbin Institute of Technology | China | Jiebao Sun | F | Successful Participant |
| 78192 | Harbin Institute of Technology | China | Zhichang Guo | F | Successful Participant |
| 78226 | Harbin Institute of Technology | China | Zhichang Guo | F | Successful Participant |
| 78402 | Huazhong University of Science and | China | Haoyuan Xu | F | Successful Participant |
| 78583 | North China Electric Power University | China | Yan Guo | F | Successful Participant |
| 78593 | Xi'an Jiaotong University | China | feng wang | F | Successful Participant |
| 78672 | HARBIN ENGINEERING UNIVERSITY | China | ZHU LEI | F | Successful Participant |
| 78694 | Qingdao Agricultural University | China | Diankun Wang | F | Successful Participant |
| 78752 | Beijing Jiaotong University | China | Bingtuan Wang | F | Successful Participant |
| 78796 | East China University of Political Science | China | Deqiang Chen | F | Successful Participant |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|----------------------------------------|----------------|---------------|---------|------------------------|
| 78833 | HARBIN ENGINEERING UNIVERSITY | China | XIAOWEI ZHANG | F | Successful Participant |
| 78926 | HARBIN ENGINEERING UNIVERSITY | China | SHUJUAN WANG | F | Successful Participant |
| 79291 | Dongbei University of Finance and | China | Zhandong Xu | F | Successful Participant |
| 79326 | China University of Petroleum | China | Haiqing Yin | F | Successful Participant |
| 79649 | Northwestern Polytechnical University | China | Xiangyang Gao | F | Successful Participant |
| 79731 | Central South University | China | Zhang Hongyan | F | Successful Participant |
| 79792 | Central University of Finance and | China | Xiaoming Fan | F | Successful Participant |
| 79904 | Central South University | China | Qin Xuanyun | F | Successful Participant |
| 80053 | Central South University | China | Liu Xinge | F | Successful Participant |
| 80122 | Civil Aviation University of China | China | Dengming Xu | F | Successful Participant |
| 80254 | Southwestern University of Finance and | China | dai dai | F | Successful Participant |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|---------------|----------------------------------------|-----------------------|----------------|----------------|------------------------|
| 80320 | Jilin University | China | Zhang Li | F | Successful Participant |
| 80340 | Jilin University | China | Zhang Li | F | Successful Participant |
| 80354 | Shanghai Jiao Tong University | China | Jianhui Shang | F | Successful Participant |
| 80401 | Wuyi University | China | hanbiao yang | F | Successful Participant |
| 80553 | Central University of Finance and | China | Xiaoming Fan | F | Successful Participant |
| 80691 | Xi'an Eurasia University | China | Junli Zhang | F | Successful Participant |
| 80876 | Information Engineering University | China | Benchao Yang | F | Successful Participant |
| 80936 | Central University of Finance and | China | Mu Lin | F | Successful Participant |
| 80985 | Hebei Finance University | China | Zhanhao Cui | F | Successful Participant |
| 80991 | Southwestern University of Finance and | China | Shaowen Li | F | Successful Participant |
| 81023 | HUNAN UNIVERSITY | China | CHAOQUN HUANG | F | Successful Participant |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|---------------|----------------------------------------|-----------------------|----------------|----------------|------------------------|
| 81190 | Shandong University | China | Zhulou Cao | F | Successful Participant |
| 81251 | Changsha University of Science and | China | Hongyue Quan | F | Successful Participant |
| 81552 | Harbin Institute of Technology | China | Zhichang Guo | F | Successful Participant |
| 81570 | South-Central Minzu University | China | Shu-ting An | F | Successful Participant |
| 81705 | Shanxi Normal University | China | Bo Hao | F | Successful Participant |
| 81811 | Shanghai University | China | Aiping Jiang | F | Successful Participant |
| 81898 | Central University of Finance and | China | mu lin | F | Successful Participant |
| 81917 | Southwestern University of Finance and | China | Dai Dai | F | Successful Participant |
| 82007 | Central University of Finance and | China | Chengzhan Wang | F | Successful Participant |
| 82124 | Tianjin University | China | Yuqin Zhang | F | Successful Participant |
| 82289 | Huazhong Agricultural University | China | Zhi Li | F | Successful Participant |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|---------------|------------------------------------------|-----------------------|----------------|----------------|------------------------|
| 82381 | Hebei Finance University | China | Zhanhao Cui | F | Successful Participant |
| 82603 | South China Normal University | China | Xinshu Tu | F | Successful Participant |
| 82813 | XIDIAN UNIVERSITY | China | Guoping Yang | F | Successful Participant |
| 82895 | Sichuan University | China | Huilei Han | F | Successful Participant |
| 82904 | Central University of Finance and | China | Mu Lin | F | Successful Participant |
| 82909 | Shandong Agricultural University | China | Li Sun | F | Successful Participant |
| 82938 | Nankai University | China | Xiaoxia Zhou | F | Successful Participant |
| 82992 | Xi'an Jiaotong-Liverpool University | China | Gang Liu | F | Successful Participant |
| 83006 | Tsinghua University | China | Heng Liang | F | Successful Participant |
| 83185 | University of International Business and | China | Zhang anan | F | Successful Participant |
| 83251 | Shanghai Lixin University of Accounting | China | Zhengyi Jiang | F | Successful Participant |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|---------------------------------------|----------------|----------------|---------|------------------------|
| 83281 | Xi'an Jiaotong-Liverpool University | China | Ming Ying | F | Successful Participant |
| 83284 | Xi'an Jiaotong-Liverpool University | China | Ming Ying | F | Successful Participant |
| 83411 | Hunan Agricultural University | China | Lin Tang | F | Successful Participant |
| 83439 | Xi'an Jiaotong-Liverpool University | China | Yunrui Han | F | Successful Participant |
| 83442 | Xi'an Jiaotong-Liverpool University | China | Yunrui Han | F | Successful Participant |
| 83460 | Xi'an Jiaotong-Liverpool University | China | Hongyun Xiong | F | Successful Participant |
| 83607 | Information Engineering University | China | ChangYong Peng | F | Successful Participant |
| 83691 | North China Electric Power University | China | Qirong Qiu | F | Successful Participant |
| 83758 | Chongqing University | China | Xiaobing Hu | F | Successful Participant |
| 83815 | Changchun Normal University | China | Dongping Li | F | Successful Participant |
| 83834 | Guangxi University | China | Zhou Wanzhi | F | Successful Participant |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|-------------------------------------------|----------------|----------------|---------|------------------------|
| 84033 | China University of Political science and | China | SHUHUAN LIU | F | Successful Participant |
| 84035 | South China University of Technology | China | Bo Xie | F | Successful Participant |
| 84062 | The Second High School attached to | China | Jing Guo | F | Successful Participant |
| 84132 | Guangxi University | China | He Qihan | F | Successful Participant |
| 84165 | Nankai University | China | Qingyuan Zhang | F | Successful Participant |
| 84182 | Beijing University of Technology | China | Zhen Wang | F | Successful Participant |
| 84388 | Chongqing University | China | Chaolin Liu | F | Successful Participant |
| 84523 | Guangxi University | China | Li Ning | F | Successful Participant |
| 84564 | Hunan University | China | Huahui Yan | F | Successful Participant |
| 84649 | Zhongnan University of Economics and | China | Peng Du | F | Successful Participant |
| 84855 | Central University of Finance and | China | Ting Ji | F | Successful Participant |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|------------------------------------|----------------|------------------|---------|------------------------|
| 84867 | Longyan University | China | Supervisor Group | F | Successful Participant |
| 84919 | Tsinghua University | China | Heng Liang | F | Successful Participant |
| 84944 | Guangdong University of Technology | China | Xiaoming Xiong | F | Successful Participant |
| 85014 | Shanxi University | China | Chengbo Zhai | F | Successful Participant |
| 85023 | Shanxi University | China | Bin Li | F | Successful Participant |
| 85159 | Tianjin Nankai University | China | Jinze He | F | Successful Participant |
| 85195 | Hebei University of Economics and | China | Xing Su | F | Successful Participant |
| 85331 | Beijing University of Posts and | China | Zeshan Wang | F | Successful Participant |
| 85445 | Anhui Polytechnic University | China | Qiang Zhou | F | Successful Participant |
| 85464 | Central University of Finance and | China | Pu Liao | F | Successful Participant |
| 85502 | Jilin University | China | Wenlei Li | F | Successful Participant |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|--------------------------------------|----------------|---------------|---------|------------------------|
| 85661 | Zhongnan University of Economics and | China | Changzhi Chen | F | Successful Participant |
| 85799 | Wuhan University | China | Xinqi Hu | F | Successful Participant |
| 85850 | SOUTHWEST MINZU UNIVERSITY | China | ZHIXIA MA | F | Successful Participant |
| 85861 | Shandong University of Science and | China | Xinzeng Wang | F | Successful Participant |
| 85880 | Nantong University | China | Liu Chu | F | Successful Participant |
| 85952 | Lanzhou University | China | Lihong He | F | Successful Participant |
| 86007 | Northeastern University(China) | China | Yixian Liu | F | Successful Participant |
| 86145 | Tianjin University | China | Liangfu Lv | F | Successful Participant |
| 86236 | China Agricultural University | China | Yuanchang Shi | F | Successful Participant |
| 86268 | China Agricultural University | China | Yuanchang Shi | F | Successful Participant |
| 86470 | Shandong University | China | Baodong LIU | F | Successful Participant |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|-------------------------------------------|----------------|-----------------|---------|------------------------|
| 86511 | Shandong University | China | Baodong LIU | F | Successful Participant |
| 86627 | Beijing University of Chemical Technology | China | Guizhen Ma | F | Successful Participant |
| 86649 | Zhongnan University of Economics and | China | juan Xu | F | Successful Participant |
| 86924 | Shanghai University | China | Zi Xu | F | Successful Participant |
| 87013 | University of Electronic Science and | China | Xiaoping Li | F | Successful Participant |
| 87102 | Lanzhou University | China | Yingyang Li | F | Successful Participant |
| 87223 | Sun Yat-sen University | China | Jingheng Cai | F | Successful Participant |
| 87239 | Taiyuan University of Technology | China | Zhijia Wen | F | Successful Participant |
| 87298 | Huazhong University of Science and | China | Jianmo Xu | F | Successful Participant |
| 87353 | Virginia Military Institute | USA | Meagan Herald | F | Successful Participant |
| 87363 | St. Olaf College | USA | Robert Eisinger | F | Successful Participant |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|------------------------------------------|----------------|---------------|---------|------------------------|
| 87492 | Sun Yat-sen University | China | Zhenglu Jiang | F | Successful Participant |
| 87789 | Sichuan University | China | Yifan Song | F | Successful Participant |
| 87842 | Wuhan University | China | Yuanming Hu | F | Successful Participant |
| 87848 | Beijing University of Posts and | China | Bo Xiao | F | Successful Participant |
| 87975 | Ningbo Institute of Technology, Zhejiang | China | Li Hui Tu | F | Successful Participant |
| 87985 | Ningbo Institute of Technology, Zhejiang | China | Li Hui Tu | F | Successful Participant |
| 88132 | Harbin University of Commerce | China | Yong Wang | F | Successful Participant |
| 88151 | Harbin University of Commerce | China | Qingxin Zhou | F | Successful Participant |
| 88257 | University of Electronic Science and | China | Zhiyong Wang | F | Successful Participant |
| 88399 | Nankai University | China | Zijian Li | F | Successful Participant |
| 88537 | Zhongnan University of Economics and | China | Yan Zhao | F | Successful Participant |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|---------------|---------------------------------------------|-----------------------|----------------|----------------|------------------------|
| 88659 | Beijing University of Civil Engineering and | China | Yu Bai | F | Successful Participant |
| 88681 | Nankai University | China | Aimin ZHOU | F | Successful Participant |
| 88920 | Hohai University Changzhou Campus | China | Binwu Zhang | F | Successful Participant |
| 88951 | ShanghaiTech | China | Hankai liu | F | Successful Participant |
| 88976 | China University of Geosciences in Beijing | China | Cuixiang Wang | F | Successful Participant |
| 89005 | National University of Defense Technology | China | D. Wang | F | Successful Participant |
| 89040 | National University of Defense Technology | China | D. Wang | F | Successful Participant |
| 89157 | Southwestern University of Finance and | China | Hongwei Cui | F | Successful Participant |
| 89168 | Beijing Technology and Business | China | Yanjie Zhou | F | Successful Participant |
| 89195 | Zhejiang University City College | China | Xusheng Kang | F | Successful Participant |
| 89199 | Beijing Jiaotong University | China | Bingtuan Wang | F | Successful Participant |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|----------------------------------------|----------------|----------------|---------|------------------------|
| 89328 | Sichuan University | China | Yang Weng | F | Successful Participant |
| 89386 | Capital University of Economics and | China | Xue Li | F | Successful Participant |
| 89456 | Tsinghua University | China | Heng Liang | F | Successful Participant |
| 89758 | Renmin University of China | China | Jiye Mao | F | Successful Participant |
| 90043 | School of Management, Fudan University | China | Ye Fu | F | Successful Participant |
| 90190 | Central South University | China | Liu Shengjun | F | Successful Participant |
| 90316 | Xiamen University | China | Zhong Tan | F | Successful Participant |
| 90386 | Harbin University of Commerce | China | Chuntao Gao | F | Successful Participant |
| 90395 | ShanDong University | China | ShuXiang Huang | F | Successful Participant |
| 90451 | Central University of Finance and | China | Chengzhan Wang | F | Successful Participant |
| 90456 | Jiangxi University of Science and | China | Shixian Zhang | F | Successful Participant |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|-------------------------------------------|----------------|----------------|---------|------------------------|
| 90475 | Southwestern University of Finance and | China | Shaoyu Li | F | Successful Participant |
| 90490 | College of Applied Sciences ,Beijing | China | Zhenning Zhang | F | Successful Participant |
| 90680 | National University of Defense Technology | China | Dan Wang | F | Successful Participant |
| 90902 | East China Normal University | China | Zhonghao Xu | F | Successful Participant |
| 90944 | SouthWestern University of Finance and | China | YUNLONG SUN | F | Successful Participant |
| 90964 | Zhongnan University of Economic and Law | China | BO ZHANG | F | Successful Participant |
| 90998 | Beijing University of Posts and | China | Hengfeng Han | F | Successful Participant |
| 91012 | Jinan University | China | Shiqi Ye | F | Successful Participant |
| 91044 | School of Mathematical Sciences | China | Xiang Bing | F | Successful Participant |
| 91074 | South China University of Technology | China | Xinhui Mao | F | Successful Participant |
| 91098 | Nanjing University of | China | JUN YE | F | Successful Participant |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|---------------|--------------------------------------|-----------------------|----------------|----------------|------------------------|
| 91280 | Sun Yat-sen University | China | Guocan Feng | F | Successful Participant |
| 91347 | Zhejiang Gongshang University | China | Cui Feng | F | Successful Participant |
| 91374 | Beijing University of Technology | China | Jing Li | F | Successful Participant |
| 91378 | Beijing University of Posts and | China | Chuang Zhang | F | Successful Participant |
| 91531 | Qinghai university | China | Yanzhong Zhao | F | Successful Participant |
| 91533 | Fudan University | China | Qinfeng Xu | F | Successful Participant |
| 91711 | Sichuan Agricultural University | China | Haixia Zhang | F | Successful Participant |
| 91867 | South China University of Technology | China | Yongan Qin | F | Successful Participant |
| 92234 | Xiamen University | China | Zhong Tan | F | Successful Participant |
| 92339 | Shandong University of Science and | China | Qingbiao WANG | F | Successful Participant |
| 92494 | Central University of Finance and | China | Ruixian Yang | F | Successful Participant |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|---------------|-------------------------------------|-----------------------|----------------|----------------|------------------------|
| 92825 | Linyi University | China | HaiQiang Liu | F | Successful Participant |
| 92855 | Xi'an Jiaotong-Liverpool University | China | Fei Ma | F | Successful Participant |
| 92910 | Sichuan University | China | Hao Wang | F | Successful Participant |
| 92985 | Tianjin University | China | Xueqing Wang | F | Successful Participant |
| 93093 | East China Normal University | China | Xinyu Chang | F | Successful Participant |
| 93184 | Dalian university of technology | China | Yongchi Ma | F | Successful Participant |
| 93185 | Shanghaijiaotong University | China | Jianhui Shang | F | Successful Participant |
| 93236 | Duke University | USA | David Kraines | F | Successful Participant |
| 93287 | Zhengzhou University | China | Yongzhi Tian | F | Successful Participant |
| 93354 | Pepperdine University | USA | Courtney Davis | F | Successful Participant |
| 93437 | University of Central Florida | USA | Zhisheng Shuai | F | Successful Participant |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|---------------|-----------------------------------------|-----------------------|----------------|----------------|------------------------|
| 93457 | Xiamen University | China | Ying Luo | F | Successful Participant |
| 93501 | Fudan University | China | Zhijie Cai | F | Successful Participant |
| 93647 | Beijing Union University | China | Yujie Xu | F | Successful Participant |
| 93653 | HUASHANG COLLEGE GUANGDONG | China | Guo Zhanwei | F | Successful Participant |
| 93682 | Tongji University | China | Jialiang Xiang | F | Successful Participant |
| 93695 | University of Liverpool | United Kingdom | David Lewis | F | Successful Participant |
| 75557 | Sun Yat-sen University | China | Qiru Wang | F | Unsuccessful |
| 91683 | Syracuse University | USA | Bowen Guan | F | Unsuccessful |
| 73617 | Shanghai Lixin University of Accounting | China | Yumei Liang | F | Disqualified |
| 75130 | Dalian University of Technology | China | Qihui Pan | F | Disqualified |
| 75577 | Hebei University of Engineering | China | Yayu Chen | F | Disqualified |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|---------------|-------------------------------------------|-----------------------|----------------|----------------|--------------------|
| 76237 | Xi'an University of Posts and | China | Chang-Xing Li | F | Disqualified |
| 78363 | Southwest University | China | Zhengpan Wang | F | Disqualified |
| 78880 | Jilin university of Finance and Economics | China | Yuanzhi Wang | F | Disqualified |
| 78896 | HARBIN ENGINEERING UNIVERSITY | China | SHUJUAN WANG | F | Disqualified |
| 80318 | Jilin University | China | Li Xuefei | F | Disqualified |
| 81136 | Zhejiang Normal University | China | Yang Dongmei | F | Disqualified |
| 82573 | Southwestern University of Finance and | China | Haochi Zhang | F | Disqualified |
| 82857 | Information Engineering University | China | Xiaochong Tong | F | Disqualified |
| 82890 | Beijing Technology and Business | China | Xianbing Cao | F | Disqualified |
| 83961 | Chongqing University of Science and | China | Zemin Ren | F | Disqualified |
| 84235 | Naval Military Medical University | China | Ping Huang | F | Disqualified |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|----------------------------------------|----------------|----------------|---------|--------------|
| 84447 | Beijing Jiaotong University | China | Bingtuan Wang | F | Disqualified |
| 84579 | Wuhan University | China | Jianwei Wu | F | Disqualified |
| 85351 | Anhui University | China | Jiaming Zhu | F | Disqualified |
| 85438 | Anhui University | China | Peng Wu | F | Disqualified |
| 85444 | Sichuan University | China | Jie Zhou | F | Disqualified |
| 85452 | Anhui University | China | Qun Wu | F | Disqualified |
| 86252 | Nantong University | China | Xiaoguang Yuan | F | Disqualified |
| 86897 | Huazhong University of Science and | China | Haoyuan Xu | F | Disqualified |
| 87435 | Institute of Information Technology of | China | Chunli Wang | F | Disqualified |
| 87910 | Shanghai Jiao Tong University | China | Wang Zhang | F | Disqualified |
| 88169 | Nanjing Forestry University | China | Zhongquan Lv | F | Disqualified |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|---------------|-------------------------------------------|-----------------------|----------------|----------------|--------------------|
| 88835 | Shandong University of Finance and | China | Pan Chen | F | Disqualified |
| 89111 | Xiangtan University | China | Chunsheng Feng | F | Disqualified |
| 89418 | Nanjing University of Science and | China | Yuan Xu | F | Disqualified |
| 90021 | Capital University of Economics and | China | Xuemei Jiang | F | Disqualified |
| 90233 | Wuyi institute | China | Liang Chen | F | Disqualified |
| 90846 | Zhongnan University of Economics and | China | Ping Wang | F | Disqualified |
| 91685 | Zaozhuang University | China | Bing Wang | F | Disqualified |
| 91825 | Northeast Agricultural University | China | Haidong Yin | F | Disqualified |
| 91829 | Northeast Agricultural University | China | Wenzhong Xu | F | Disqualified |
| 91929 | Hebei Normal University for Nationalities | China | Shuhua Ma | F | Disqualified |
| 92449 | West Anhui University | China | Shi Minghua | F | Disqualified |

2018 ICM Problem F Contest Results

| Ctrl # | Institution | Country/Region | Advisor | Problem | Designation |
|--------|-----------------------------------|----------------|-------------|---------|--------------|
| 93244 | Zoucheng No.1 High School | China | Tong Liu | F | Disqualified |
| 93466 | Jiangxi University Of Science And | China | Weiwei Ling | F | Disqualified |
| 93700 | Yichun University | China | Hui ZHOU | F | Disqualified |
| 93796 | Beijing University of Posts and | China | Zhenghe Zhu | F | Disqualified |