

# 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.

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### 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, 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%)**

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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](http://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**

<b>Ctrl #</b>	<b>Institution</b>	<b>Country/Region</b>	<b>Advisor</b>	<b>Problem</b>	<b>Designation</b>
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**

<b>Ctrl #</b>	<b>Institution</b>	<b>Country/Region</b>	<b>Advisor</b>	<b>Problem</b>	<b>Designation</b>
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

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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

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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



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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

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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

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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

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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

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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**

<b>Ctrl #</b>	<b>Institution</b>	<b>Country/Region</b>	<b>Advisor</b>	<b>Problem</b>	<b>Designation</b>
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**

<b>Ctrl #</b>	<b>Institution</b>	<b>Country/Region</b>	<b>Advisor</b>	<b>Problem</b>	<b>Designation</b>
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**

<b>Ctrl #</b>	<b>Institution</b>	<b>Country/Region</b>	<b>Advisor</b>	<b>Problem</b>	<b>Designation</b>
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	Xiyiing 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**

<b>Ctrl #</b>	<b>Institution</b>	<b>Country/Region</b>	<b>Advisor</b>	<b>Problem</b>	<b>Designation</b>
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**

<b>Ctrl #</b>	<b>Institution</b>	<b>Country/Region</b>	<b>Advisor</b>	<b>Problem</b>	<b>Designation</b>
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**

<b>Ctrl #</b>	<b>Institution</b>	<b>Country/Region</b>	<b>Advisor</b>	<b>Problem</b>	<b>Designation</b>
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	Qiuhui Pan	F	Successful Participant

**2018 ICM Problem F Contest Results**

<b>Ctrl #</b>	<b>Institution</b>	<b>Country/Region</b>	<b>Advisor</b>	<b>Problem</b>	<b>Designation</b>
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**

<b>Ctrl #</b>	<b>Institution</b>	<b>Country/Region</b>	<b>Advisor</b>	<b>Problem</b>	<b>Designation</b>
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**

<b>Ctrl #</b>	<b>Institution</b>	<b>Country/Region</b>	<b>Advisor</b>	<b>Problem</b>	<b>Designation</b>
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**

<b>Ctrl #</b>	<b>Institution</b>	<b>Country/Region</b>	<b>Advisor</b>	<b>Problem</b>	<b>Designation</b>
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**

<b>Ctrl #</b>	<b>Institution</b>	<b>Country/Region</b>	<b>Advisor</b>	<b>Problem</b>	<b>Designation</b>
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**

<b>Ctrl #</b>	<b>Institution</b>	<b>Country/Region</b>	<b>Advisor</b>	<b>Problem</b>	<b>Designation</b>
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**

<b>Ctrl #</b>	<b>Institution</b>	<b>Country/Region</b>	<b>Advisor</b>	<b>Problem</b>	<b>Designation</b>
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	Zihua 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**

<b>Ctrl #</b>	<b>Institution</b>	<b>Country/Region</b>	<b>Advisor</b>	<b>Problem</b>	<b>Designation</b>
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**

<b>Ctrl #</b>	<b>Institution</b>	<b>Country/Region</b>	<b>Advisor</b>	<b>Problem</b>	<b>Designation</b>
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**

<b>Ctrl #</b>	<b>Institution</b>	<b>Country/Region</b>	<b>Advisor</b>	<b>Problem</b>	<b>Designation</b>
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

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<b>Ctrl #</b>	<b>Institution</b>	<b>Country/Region</b>	<b>Advisor</b>	<b>Problem</b>	<b>Designation</b>
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

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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

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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

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<b>Ctrl #</b>	<b>Institution</b>	<b>Country/Region</b>	<b>Advisor</b>	<b>Problem</b>	<b>Designation</b>
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

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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

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<b>Ctrl #</b>	<b>Institution</b>	<b>Country/Region</b>	<b>Advisor</b>	<b>Problem</b>	<b>Designation</b>
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

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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