

The 2021 University Physics Competition Results Announcement – January 13, 2022

We are very pleased to announce the results of the twelfth annual University Physics Competition. The University Physics Competition is an international contest for undergraduate students, who worked in teams of up to three students at their home colleges and universities all over the world, and spent 48 hours during the weekend of November 5, 6, & 7, 2021, analyzing a scenario using the principles of physics, and writing a formal paper describing their work.

In this year's competition 324 teams submitted papers for judging. 127 teams selected "Problem A – A Thicker Martian Atmosphere" and 197 teams selected "Problem B – Asteroid Ocean Impact."

For Problem A, the Gold Medal Winning Teams were:

Team 200: Wang Hanlin, Zhang Zeyu, & Liu Shiqiang
Institution: Tongji University, China
Faculty Sponsor: Ma Yan

Team 349: Zonghan Wen, Hongyan Shi, & Shikun Zhou
Institution: Qingdao University, China
Faculty Sponsor: Yanqiang Li

For problem B, the Gold Medal Winning Teams were:

Team 216B: Lucien Tsai & Kevin Kim
Institution: Harvey Mudd College, United States
Faculty Sponsor: Theresa Lynn

Team 385: Tang Jierong, Li Ying, & Li Yaqin
Institution: National University of Defense Technology, China
Faculty Sponsor: Yu Tong Pu

Team 442: Sara Łukasik, Szymon Michniak, & Zuzanna Jezierska
Institution: University of Warsaw, Poland
Faculty Sponsor: Paweł Sidorczak

Team 445: Jan Nowosielski, Mateusz Kapusta, & Antoni Skoczypiec
Institution: University of Warsaw, Poland
Faculty Sponsor: Paweł Sidorczak

Of the 324 papers submitted in this year's University Physics Competition, 6 teams (1.9%) were ranked as Gold Medal Winners, 60 teams (19%) were ranked as Silver Medal Winners, 85 teams (26%) were ranked as Bronze Medal Winners, and 173 teams (53%) were ranked as Accomplished Competitors.

We extend our sincerest congratulations to each of the competing teams for their excellent work and their enthusiasm for physics!

Kelly S. Cline
Carroll College; Helena, MT
Director of the University Physics Competition
www.uphysicsc.com

Problem A: A Thicker Martian Atmosphere

Team	Sponsor/Students	Institution	Prob.	Rank
200	MA Yan WANG Hanlin, ZHANG Zeyu, LIU Shiqiang	Tongji University	A	Gold Medal
349	Yanqiang Li Zonghan Wen, Hongyan Shi, Shikun Zhou	Qingdao University	A	Gold Medal
107	Wang Guangan Gao Yue, Wang Jiamin, Zhuang Wentao	Nanjing University of Science and Technology	A	Silver Medal
109	Wang Guangan Wang Ziyue, Zhai Xukuo, Guo Yaoyao	Nanjing University of Science and Technology	A	Silver Medal
114	Wang Guangan Tian Yuepeng, Zhu Zihao, Liu Lizhaoxuan	Nanjing University of Science and Technology	A	Silver Medal
123	Mateusz Krzyzosiak Tianrui Dang, Xin Gong, Yifan Xu	Shanghai Jiao Tong University	A	Silver Medal
131	Mateusz Krzyzosiak Fan Hu, Yizhi Yao, Yuchen Wang	Shanghai Jiaotong University	A	Silver Medal
197	Mateusz Krzyzosiak Xijia Zhang, Jiaming Shan, Yihang Qiu	Shanghai Jiao Tong University Joint Institute	A	Silver Medal
216A	FANG Kai WEN Xueyun, XING Jiacheng, CHANG Jiakai	Tongji University	A	Silver Medal
218	MA Yan CHEN Junze, LIN Ziyu, XU Yuyang	Tongji University	A	Silver Medal
219	FANG Kai ZHOU Yi, DAI Hanyu, GE Yifei	Tongji University	A	Silver Medal
246	Lei Zhang Jiale Chen, Hang Yuan, Shiqi Lu	China University of Mining and Technology	A	Silver Medal
274	ZHANG Jianwei LI Zhe, LI Ruofei	Tongji University	A	Silver Medal
280	ZHANG Jianwei WU Jiawei, WEI Keyu	Tongji University	A	Silver Medal
299	Shyamal Ranjan Chakraborty Mark Anthony Bromuela, Israt Haque Zarin, Bhuvan Dey	University of Chittagong	A	Silver Medal
306	Cesar Bonilla Patricio Alvear-Opazo, Nicolas Angel-Varas, Margared Castro-Tapia	Universidad Católica del Norte	A	Silver Medal
307	Cesar Bonilla Valeria Aceituno-Salinas, Macarena Lopez-Tapia, Bayron Micolta-Riascos	Universidad Católica del Norte	A	Silver Medal
322	Luu Manh Quynh Nguyen Dinh Tien, Tran Thi Y Van, Trinh Ngo Minh Thang	VNU University of Science - Hanoi	A	Silver Medal
323	Peter Schupp Fahrudin Delic, Dmytro Kolisnyk, Carmelo Desales Ortiz	Jacobs University Bremen	A	Silver Medal
338	Sylvio May Ahmed Aldrees, Ibrahim Buhkhari, Sigurd Saude	North Dakota State University	A	Silver Medal
361	Munia Ferdoushi Marzia Khan, Nishat Tasnim Hiramony, Shafayeth Jamil	Bangladesh University of Engineering Technology	A	Silver Medal
382	Huang Ming Qiu Dong Chenglong, Chen Zihang, Hu Jing	National University of Defense Technology	A	Silver Medal

391	Huang Ming Qiu Chen Xilong, Zou Runming, Huang Jingyan	National University of Defense Technology	A	Silver Medal
441	Paweł Sidorczak Piotr Kamiński, Stanisław Kurzyna, Tomasz Mazur	University of Warsaw	A	Silver Medal
444	Paweł Sidorczak Bartłomiej Marchliński, Kamil Dudkiewicz, Stanisław Rakowski	University of Warsaw	A	Silver Medal
108	Wang Guangan Chen Wenjun , Liu Yue , Han Longqiang	Nanjing University of Science and Technology	A	Bronze Medal
140	Suyuan Wang Dengjiang Sun, Chenzhou Yu, Zelin Huang	Civil Aviation University of China	A	Bronze Medal
153	Suprit Singh Gunjan Mandape , Shrijan Roy, Paras Sharma	Indian Institute of Technology Delhi	A	Bronze Medal
159	Long Bai Chang Liu, Yanqiang Cao, Zhenguang Zhang	China University of Mining and Technology	A	Bronze Medal
184	Kui Han Chuheng Zhang, Jie Tian, Cheng Qiu	China University of Mining and Technology	A	Bronze Medal
203	ZHANG Yingli LI Yuanlong, WEI Jinwen, DING Yangyidi	Tongji University	A	Bronze Medal
223	FANG Kai ZHANG Xiaodong, LIU Jie, SHI Jianrong	Tongji University	A	Bronze Medal
225	MA Yan CHENG Cheng	Tongji University	A	Bronze Medal
227	ZHANG Yuzhong XIAO Sihao, LIU Guanhong, XU Boyu	Tongji University	A	Bronze Medal
266	Xingguo Gao Shan Gao, Duo Li, Bo Wang	Qilu University of Technology	A	Bronze Medal
267	Meina Zhang Yixuan Zhao, Hongying Zhao,	Qilu University of Technology	A	Bronze Medal
271	ZHANG Yuzhong WANG Ming, MENG Jun, LAN Zihan	Tongji University	A	Bronze Medal
272	ZHANG Jianwei HAN Tiancheng, LIN Hang, XIONG Lin	Tongji University	A	Bronze Medal
290	Long Bai Hongjin Zhang, Yilin Zhu, Ao Wang	China University of Mining and Technology	A	Bronze Medal
311	Nujhat Nuri Sultana Md. Abdul Kaium, Thoukir Ahammad, Sheikh Md. Humayed Habib	Shahjalal University of Science and Technology	A	Bronze Medal
319	Nabamita Banerjee V Rishi, Udit Varma	Indian Institute of Science Education and Research Bhopal	A	Bronze Medal
325	MA Yan ZHANG Jiyao, ZHANG Chenyu, LIU Honglin	Tongji University	A	Bronze Medal
340	Long Yunze Shi Feiran, Miao Xiaoxuan, Yang Ruisha	Qingdao University	A	Bronze Medal
351	Janto V. Sulungbudi Adrian Ramadhana Imran, Widiastuti Safitri, Johanes Fernandi	Parahyangan Catholic University	A	Bronze Medal

356	Chen Xuan Guoxuan Sun, Man Ni	Xi'an Jiaotong-Liverpool University	A	Bronze Medal
358	Suzit Hasan Nayem Saif Ahmed Sunny, Mayesha Haque, Moytri Ghosal	Bangladesh University of Engineering and Technology	A	Bronze Medal
379	Yu Tong Pu Zou Pengcheng, Ge Yufei, Pan Honghai	National University of Defense Technology	A	Bronze Medal
381	Yu Tong Pu Zhang Shengkai, Li Kelin, Song Yixuan	National University of Defense Technology	A	Bronze Medal
387	Zhong Ming Zhang Xiangran, Li Hanxun, Ren Xu	National University of Defense Technology	A	Bronze Medal
399	Mateusz Krzyzosiak Yinghui He, Ruiying He, Weixin Yu	UM-SJTU Joint Institute	A	Bronze Medal
401	M S Alphin Abhijeet Gopalakrishnan, Mathusha Rao	SSN College of Engineering	A	Bronze Medal
402	Md Enamul Hoque Md Didarul Islam, Arafath Ahmed Marshed, Md.Golam Moktadir	Shahjalal University of Science and Technology	A	Bronze Medal
421	Jun Zhang Yitai Song, Yuhang Wang, YiXuan Wang	QingDao University	A	Bronze Medal
422	Abdul Hannan Adnan Shahriar, Sourabh Moni Biswas, Wasim Mahamud Shams	Shahjalal University of Science & Technology	A	Bronze Medal
431	Edwin Greco Lance Lampert, Sam Quinn, Toyesh Jayaswal	Georgia Institute of Technology	A	Bronze Medal
449	Paweł Sidorczak Bartłomiej Leks, Marek Morawski, Jerzy Gamdzyk	University of Warsaw	A	Bronze Medal
462	Edwin Greco Shreenithi Katta, Lachezar Balabanski	Georgia Institute of Technology	A	Bronze Medal
103	Paulo Barbeitas Miranda Roberto Bernardo da Silva, Edson Magno da Silva, Lucas Vidal Costa Militão	USP São Carlos	A	Acc. Competitor
104	Wang Guangan Liang Jiaxuan, Han Lihui, Cen Bingheng	Nanjing University of Science and Technology	A	Acc. Competitor
105	Wang Guangan Chen Tongshu, Zeng Lianbo, Gao Xin	Nanjing University of Science and Technology	A	Acc. Competitor
110	Wang Guangan Miao Heyu, Liao Menglin, Jiang Yuheng	Nanjing University of Science and Technology	A	Acc. Competitor
111	Wang Guangan Wang Yuhao, Zou Shiyue, Yu Pingjiang	Nanjing University of Science and Technology	A	Acc. Competitor
113	Xuelan Hu Kun Liang, Hangyu Zhong, Ruixiang Wang	Civil Aviation University of China	A	Acc. Competitor
124	Li Li Xiaotong Song, Yirui Shen, Jiaxu Wang	Civil Aviation University of China	A	Acc. Competitor
135	Shyamal Ranjan Chakraborty Mariem Absar, Md.Rabiul Hossan Nazmon, Hasan Burhan Uddin	University of Chittagong	A	Acc. Competitor
138	Shyamal Ranjan Chakraborty Nur Mohammad Imran, Md Ismail Shah, Pilon Chakma	University of Chittagong	A	Acc. Competitor

141	Quazi Rashed Nizam Asif Ahmed, Shumiya Binte Khaleque, Aj Waj Uddin Setu	University of Chittagong	A	Acc. Competitor
144	Yang Xiong Wang Xinrui, Zhou Shuai, Li Shen Xing	Civil Aviation University of China	A	Acc. Competitor
148	Zhipeng Xun Zhongyuan Wu, Haijing Yang, Wenjie Han	China University of Mining and Technology	A	Acc. Competitor
154	Mateusz Krzyzosiak Chenyuan Gao, Hao Zhang, Xinyi Chen	Shanghai Jiao Tong University/Joint Institute	A	Acc. Competitor
158	Long Bai Jinhao Wang, Xumin Zhang, Xinfeng Yan	China University of Mining and Technology	A	Acc. Competitor
161	Shyamal Ranjan Chakraborty Sharmin Akter, MD Rafsan Jani Riaz, Minhaz Uddin Fahim	University of Chittagong	A	Acc. Competitor
168	Wangsuo Xia Xiangyuan Min, Meng Fang, Fengyan Xu	China University of Mining and Technology	A	Acc. Competitor
178	Kui Han Shixiang Shi, Mengyuan Zhou, Siyuan Li	China University of Mining and Technology	A	Acc. Competitor
199	Long Bai Yemin Wu , Haocheng Wang, Qian Su	China University of Mining and Technology	A	Acc. Competitor
201	MA Yan LAI Chengxing, GOU Jinming, WEN Haoyu	Tongji University	A	Acc. Competitor
202	ZHANG Yingli MA Zhiyuan, DENG Ping, GENG Yue	Tongji University	A	Acc. Competitor
205	ZHANG Yingli ZHANG Mengtan, WANG Yiyue, CHEN ZhengHao	Tongji University	A	Acc. Competitor
209	Long Bai Yuhui Zhu, Yuyun Zhang, Lingxuan Meng	China University of Mining and Technology	A	Acc. Competitor
210	Xun Zhipeng Li Yifan, Wang Pengfei, Peng Chenyu	China University of Mining and Technology	A	Acc. Competitor
222	Wangsuo Xia Chong Yan, Mingqian Chen, Mingxuan Du	China University of Mining and Technology	A	Acc. Competitor
226	ZHANG Yuzhong WANG Jun, TAN Xiao, ZHANG Haoran	Tongji University	A	Acc. Competitor
228	ZHANG Yuzhong SONG Yiping, HUANG Yingxue	Tongji University	A	Acc. Competitor
237	Md. Kamal Hossain Jannatul Ferdous Jina, Maknun Mariam Habib, Ashrafal Nushrat Banna	Jahangirnagar University	A	Acc. Competitor
239	Md. Kamal Hossain LUBABA FAYEZ SHUHA, SUFIA AHMAD ESHEKA, MORIYAM KHATUN SUMI	Jahangirnagar University	A	Acc. Competitor
243	Md. Kamal Hossain Debosre Roy Dristy, Umayya Afrin, Anonya Roy Shorna	Jahangirnagar University	A	Acc. Competitor
254	Li Guo Bin Dong, Weiting Du, Shanqi Liu	Qilu University of Technology	A	Acc. Competitor
255	Li Guo Mingze Xie, Jiqing Nie, Yang Fu	Qilu University of Technology	A	Acc. Competitor

269	Yulong Xu Shuo Guan, Yang Li, Xueyuan Zhang	Qilu University of Technology	A	Acc. Competitor
279	ZHANG Yuzhong CAI Minghao, XU Beike, NING Qian	Tongji University	A	Acc. Competitor
283	Wangsuo Xia Jiayi Guo, Simi Ouyang, Feng Liu	China University of Mining and Technology	A	Acc. Competitor
286	Sandor Nagy Sara Ali Mahmoud Ibrahim, Sridhar Hariharakrishnan, Aum Rakeshbhai Rawal	University of Debrecen	A	Acc. Competitor
295	Md Enamul Hoque Nazmur Rahman Nobel, Md Jahidul Islam, Maisha Fariha Diya	Shahjalal University of Science and Technology	A	Acc. Competitor
303	Cesar Bonilla Yared Cordova-Reinarz, Carlos de la Fuente-Alvarez, Ignacio Gallardo-Soko	Universidad Católica del Norte	A	Acc. Competitor
310	Zhang XiaoJuan Cai WenJun, Liu Chang, Liu YongQiang	Civil Aviation university of China	A	Acc. Competitor
312	Rong Zhang Jichen Xu, Yiyuan Lu, Wenqing Luo	China University of Mining and Technology	A	Acc. Competitor
324	Aiqing Wu Yu Wang, Meirong Zhang, Zhijie Yao	Civil Aviation University of China	A	Acc. Competitor
327	Murugadass K. Nandita Satish, Geethu. M. Nair, Sasankan. V	Amrita Vishwa Vidyapeetham	A	Acc. Competitor
329	Jun Yang Zhenzhong Tang, Zixuan Huang, Rujun Ouyang	Southern University of Science and Technology	A	Acc. Competitor
330	Jun Yang Zishen Li, Changrong Xie, Liwen Hou	Southern University of Science and Technology	A	Acc. Competitor
331	Ranjani K.S. Sayooj S Nair, Abhiram Nair, Shruti K	Amrita School of Engineering Coimbatore	A	Acc. Competitor
333	Bing-Sui Lu Ashwinie Ghanesh, Abishai Jacob Mathai, Gayathri Girish	Nanyang Technological University	A	Acc. Competitor
335	Koustuv Roy Shovan Ghosh, Atanu Debnath, Urbee Ghosh	Acharya Prafulla Chandra Roy Government College, Siliguri	A	Acc. Competitor
342	Yanqiang Li Xiaohui Bo, Yuyang Duan, Zeying Fan	QingDao University	A	Acc. Competitor
343	Li Yanqiang Xin Yulin, Yang Weiqi, Yang Xiangming	Qingdao University	A	Acc. Competitor
347	Md. Omar Faruk Rasel Md Koushik Alam, Noor Afsary, Emam Hasan	Khulna University	A	Acc. Competitor
352	Abdul Hannan Md. Samiul Ehsan, Samira Farzana, Jahura Akter Meem	Shahjalal University of Science and Technology	A	Acc. Competitor
353	Li Yanqiang Geng Jiale, Li Ruopeng, Sang Chengyuan	Qingdao University	A	Acc. Competitor
354	Jinhua Wang Shida Wang, Pengfei Yin, Fenglian Zhang	Tianjin University of Technology and Education	A	Acc. Competitor
360	Md Enamul Hoque Urmi Talukder, Umme Fariha Nowrin, Md. Salauddin Kadir Shakil	Shahjalal University of Science and Technology	A	Acc. Competitor

367	Yanqiang Li Yue Wu, Bolin Wu, Linyuan Chen	Qingdao University	A	Acc. Competitor
372	Liu Yong Lu Kuang Ping, Hu Jinghang, Liu Chengyuan	National University of Defense Technology	A	Acc. Competitor
375	Peng Gang Wu Luofu, Xiong Chengyun, Zhang Shuai	National University of Defense Technology	A	Acc. Competitor
380	Yu Tong Pu You Yinan, Qu Qian, Wang Guohong	National University of Defense Technology	A	Acc. Competitor
395	Yuan Feng Li Guoqiang, Ning Yikui, Du Shouwen	Qingdao University	A	Acc. Competitor
404	Zhang Xuyang Zhangxuyqng, Xieyuzhuo, Sunrizhen	Qingdao University	A	Acc. Competitor
413	Sylvio May Jacob Lundstrom	North Dakota State University	A	Acc. Competitor
418	Ponkog Kumar Das Sanga Mitra Das, Tahmidul Islam Tausif, Kuntal Nath	Shahjalal University of Science and Technology	A	Acc. Competitor
423	Jakub Zakrzewski Mateusz Stepniak, Jakub Mazur, Maciej Kucab	Jagiellonian University	A	Acc. Competitor
426	Jaseer Ahmed Md. Ashikur Rahman, Md Mominur Rashid Shuvo, Rakib Hasan	Shahjalal University of Science and Technology	A	Acc. Competitor
430	Edwin Greco Eric Swiler, Edwin Solis, Giovanni Espitia	Georgia Institute of Technology	A	Acc. Competitor
433	Edwin Greco Blake Hodges, Burhanuddin Bhinderwala, Grihith Manchanda	Georgia Institute of Technology	A	Acc. Competitor
436	Ping Han Xiangze Wang, Xujian Chen, Yuanhao Duan	Qingdao University	A	Acc. Competitor
439	Van-Quynh Le Tran Huy Hoang Anh, Mai Vu Tue Danh, Cao Hai Lam	Vin University	A	Acc. Competitor
440	Paweł Sidorczak Michał Chrzanowski, Ksawery Mielczarek, Wojtek Kolesiński	University of Warsaw	A	Acc. Competitor
450	Zhang Lei Shengren Wang, Jiaxuan Zhuo, Pengcheng Li	China University of Mining and Technology	A	Acc. Competitor
461	Long Bai Mingde Wu, Xu Tian, Xiao Liu	China University of Mining and Technology	A	Acc. Competitor

Problem B: Asteroid Ocean Impact

Team	Sponsor/Students	Institution	Prob.	Rank
216B	Theresa Lynn Lucien Tsai, Kevin Kim	Harvey Mudd College	B	Gold Medal
385	Yu Tong Pu Tang Jierong, Li Ying, Li Yaqin	National University of Defense Technology	B	Gold Medal
442	Paweł Sidorczak Sara Łukasik, Szymon Michniak, Zuzanna Jezierska	University of Warsaw	B	Gold Medal
445	Paweł Sidorczak Jan Nowosielski, Mateusz Kapusta, Antoni Skoczypiec	University of Warsaw	B	Gold Medal
106	Wang Guangan Shen Cong, Wang Bingzhen, Ren Zhangjun	Nanjing University of Science and Technology	B	Silver Medal
115	Wang Guangan Liu Dachuan, Zhang Xiangyu, Zhu Can	Nanjing University of Science and Technology	B	Silver Medal
127	Yongcheng Zhang Runze Liu, Zeyu Zhao, Chengcheng Gu	Qingdao University	B	Silver Medal
128	Li Zepeng Li Kaiwen, Sha Xiaolu, Yu Shixuan	Civil Aviation University of China	B	Silver Medal
129	Wen Li Wen Jia Song, Ying Li, Haoxuan He	Civil Aviation University of China	B	Silver Medal
130	Ran Guo Jia-Jun Li, Jin-Xu Cai, Tian-Yu Cui	Civil Aviation University of China	B	Silver Medal
132	Shao-Meng Qin An-Tong Zhi, Kai-Cheng Peng, Xi-Lin Wang	Civil Aviation University of China	B	Silver Medal
145	Guo Yanrui Jiang Yiyang, Hao Fangming, Wang Lingxin	Civil Aviation University of China	B	Silver Medal
146	Hu Yanmin Li Wenjie, Zhang Lu, Shao Yongbin	Civil Aviation University of China	B	Silver Medal
155	Le Zhang WanJiang Li, ZiNan Chen, Xiaoxing He	China University of Mining and Technology	B	Silver Medal
162	Caesar O. Harahap Daniel Hendrawan, Nicholas Robert	Universitas Multimedia Nusantara	B	Silver Medal
164	Wang Xinhua Fang Xiaoxiao , Shayida, Liu Qingyuan	Lanzhou University	B	Silver Medal
165	Lu Bing Sui Chong Bi Qi, Lim Han Teng, Lim Zi Yao	Nanyang Technological University	B	Silver Medal
191	Rong Zhang Haoxiang Long, Guanzhen Zou, Yu Pang	China University of Mining and Technology	B	Silver Medal
192	Long Bai Chao Zhang, Siyuan Zhang, Zexiao Wu	China University of Mining and Technology	B	Silver Medal
214	ZHANG Yingli WANG Guangfeng, HUANG Haiyang, WU Qize	Tongji University	B	Silver Medal
215	FANG Kai YI Weicheng, WANG Bangshuo, YIN Bintong	Tongji University	B	Silver Medal

217	MA Yan SUN Yiting, XING Zhanbin, MA Zetian	Tongji University	B	Silver Medal
232	Md. Kamal Hossain Md. Mubtasim Fuad, Ishtiaque Ahmed Sayef, Fahim Faisal Ayon	Jahangirnagar University	B	Silver Medal
251	A K NANDAKUMAR R S BARATH RAJ, HARIKRISHNAN S VARMA, VISHNU SHANKAR	Amrita Vishwa Vidyapeetham - Coimbatore	B	Silver Medal
277	ZHANG Yingli ZHAO Yingshan	Tongji University	B	Silver Medal
278	FANG Kai LIU Zhangding, ZHAO Shenao, ZHENG Xusheng	Tongji University	B	Silver Medal
282	MA Yan CHANG Zhikun, ZHAO Siqi	Tongji University	B	Silver Medal
296	Long Bai Xinzheng Shan, Yichen Wu, Luyan Xue	China University of Mining and Technology	B	Silver Medal
302	Maria Elena Tejada-Yeomans Pavel Elian Morales Medina, Ulises Israel Zárata López, Diego Alejandro Corona Gomez	Universidad de Colima	B	Silver Medal
314	Md. Torikul Islam Md. Abdus Sami Akanda, Zubaida Karim Juthy, Hasan Mahmood Rafi	Khulna University	B	Silver Medal
334	Marco Zanetti Cesare Maria Balzani, Giulio Alvisè Dainelli, Alessandro Baravelli	University of Padua	B	Silver Medal
344	Koh Teck Seng Li Yifei, Randy Tan, Tan Fei	Nanyang Technological University	B	Silver Medal
378	Peng Gang Zhu Jiazhe, Chen Kezhi, Liu Jiyang	National University of Defense Technology	B	Silver Medal
392	Liu Yong Lu Zhou Yuanli, Zhang Duolong, Yu Lianwei	National University of Defense Technology	B	Silver Medal
414	Shu Li Yifan Xie, Haonan Li, Zhaoyu Liu	Shanghai Jiao Tong University	B	Silver Medal
415	Narayan Banerjee Rohan Didmishe, Swastik Majumder, Pratyay Pal	Indian Institute of Science Education and Research Kolkata	B	Silver Medal
434	Edwin Greco Charles Haynes, Danshyl Boodhoo, Brian Shoffeitt	Georgia Institute of Technology	B	Silver Medal
443	Paweł Sidorczak Przemysław Bieniek, Piotr Kulik, Joanna Majsak	University of Warsaw	B	Silver Medal
446	Paweł Sidorczak Kacper Cybiński, Michał Zdziennicki, Stanisław Świerczewski	University of Warsaw	B	Silver Medal
447	Paweł Sidorczak Wojciech Przybylski	University of Warsaw	B	Silver Medal
451	Rishikesh Vaidya Nishit Jajodia, Alwyn Jose Raja, Ansh Shah	Birla Institute of Technology and Science Pilani	B	Silver Medal
112	Mateusz Stanislaw Krzyzosiak Hanlin Gao, Zhiyu Wu, Haoming Zhu	Shanghai Jiao Tong University	B	Bronze Medal
119	John Sanders Serop Kelkelian, William Knight, Subha Lal	California State University - Fullerton	B	Bronze Medal

120	Marat Siddikov Bastian Castorene Castorene, Tamara Beltran Zambrano, Benjamin Martinez Goudeau	Universidad Técnica Federico Santa María (UTFSM)	B	Bronze Medal
126	Zhang Yanfeng Ba Xiaolong , Zeng Leran, Long Zeyu	Civil Aviation University of China	B	Bronze Medal
139	Alfredo Aranda Itzelli Salazar-Segovia, Viridiana Abigail Márquez-Dávila, Jesús Salvador Herrera-Rosas	Universidad de Colima	B	Bronze Medal
142	Zhipeng Xun Chengyue Liu, Zichen Song, Qirui Yang	China University of Mining and Technology	B	Bronze Medal
143	Jacques Amar Oliver Smirnov	University of Toledo	B	Bronze Medal
151	Thai Truyen Dai Chan Do Minh Tri, Vu Hoang Minh Tuan, Hoang Minh Quan	The Vietnamese-German University	B	Bronze Medal
152	Thai Truyen Dai Chan Nguyen Phuc Truong Loc, Le My Linh, Truong Duc Minh	The Vietnamese-German University	B	Bronze Medal
160	Mateusz Krzyzosiak Zheng Li, Ke Lin, Nan Yang	Shanghai Jiao Tong University	B	Bronze Medal
171	Zhipeng Xun Huibo Zhong, Qingwu Cai, Zhe Liu	China University of Mining and Technology	B	Bronze Medal
173	Rong Zhang Mengshu Miao, Yufei Song, Yuhuan Huan	China University of Mining and Technology	B	Bronze Medal
181	Zhipeng Xun Shizhuo Wang, Jing Chen, Shaowei Wan	China University of Mining and Technology	B	Bronze Medal
183	Lipin Zhang Yue Xiong, Yunfan Yang, Jingxin Zhou	China University of Mining and Technology	B	Bronze Medal
185	Lei Zhang Zhongao Huang, Mingrui Ma, Tianze Dai	China University of Mining and Technology	B	Bronze Medal
187	Zhusuo Xia Deqing Wang, Wanwei Guo, Xingyu Lin	China University of Mining and Technology	B	Bronze Medal
189	Wangsuo Xia Xinyu Ji, Zhuoyu Zhang, Tiju Jiang	China University of Mining and Technology	B	Bronze Medal
194	Zhipeng Xun Qitao Zhang, Mingwei Shen, Shuai Yuan	China University of Mining and Technology	B	Bronze Medal
198	Rong Zhang Yu Zhang, Huize Zhou, Shiyi Guo	China University of Mining and Technology	B	Bronze Medal
204	ZHANG Yingli ZHANG Siran, BAI Dongxin, RU TianKai	Tongji University	B	Bronze Medal
206	Chen Hua Yu Youjin, Wang Xiao, Wei Haixiao	China University of Mining and Technology	B	Bronze Medal
208	Hua Chen Qianqian Shen, Feng Gu, Yanfei Chen	China University of Mining and Technology	B	Bronze Medal
212	Kui Han Kai Wang, Weihua Zhang, Jinming Zhang	China University of Mining and Technology	B	Bronze Medal
221	Long Bai Xujie Cao, Shida Dong, Zhen Zhang	China University of Mining and Technology	B	Bronze Medal

224	FANG Kai XU Minghao, MAO Yilin, LIN Xiao	Tongji University	B	Bronze Medal
229	ZHANG Yuzhong WANG Tongyuan, HUANG Siyi, MA Qiuqing	Tongji University	B	Bronze Medal
233	Md. Kamal Hossain S.M Hasibul Hassan Rizvee, Rahil Afzal Nihal, Mahbub Islam Mahim	Jahangirnagar University	B	Bronze Medal
245	Long Bai Xun Liu, Zhengnan Sun, KunJie Lin	China University of Mining and Technology	B	Bronze Medal
260	Jiancai Leng Mingxi Li, Yifan Wang, Mengze Tang	Qilu University of Technology	B	Bronze Medal
276	ZHANG Jianwei GAN Yicheng	Tongji University	B	Bronze Medal
281	FANG Kai GUO Shiyao, CHENG Liaoliao	Tongji University	B	Bronze Medal
284	Feng Liu Xin Jun, Ding Juan, Ouyang Bin	China University of Mining and Technology	B	Bronze Medal
291	Lei Zhang Yanming Zhong, Wenjian Zhang, Qizhai Sha	China University of Mining and Technology	B	Bronze Medal
293	Pan Yu Tian Jun, Li Jiao, Lu Guizhong	Chongqing University of Posts and Telecommunications	B	Bronze Medal
305	Cesar Bonilla Catalina Araya-Ramirez, Tatiana Araya-Santander, Wisthon Haro-Moya	Universidad Católica del Norte	B	Bronze Medal
337	Edward McCann Giacomo Rossetti, Emily Shim, Alejandro Alcaraz Beltrán	Lancaster University	B	Bronze Medal
339	Meijie Liu Jinguang Shang, Xinyue Qi, Jinde Qu	Qingdao University	B	Bronze Medal
362	Nazia Chawdhury MD Nehal Hasnain, Torikul Islam Sanjid, Zunaid Sadik	Shahjalal University of Science and Technology	B	Bronze Medal
364	Nazia Chawdhury Rifat Rahman Bhuiyan, Monisha Chowdhury, Muhammad Mohsin Hasan	Shahjalal University of Science and Technology	B	Bronze Medal
366	Koh Teck Seng Darren Chin Yao Lim, Rebecca Chung Ru Byn, Lo Hsuan	Nanyang Technological University	B	Bronze Medal
368	Liu Yong Lu Feng Lei, Zhang Haile, Zhang Yaosheng	National University of Defense Technology	B	Bronze Medal
371	Peng Gang Hu Yimin, Chen Qinxian, Li Xingming	National University of Defense Technology	B	Bronze Medal
373	Zhang Sen Liu Aolong, Fan Xuming, Cai Xingwang	National University of Defense Technology	B	Bronze Medal
376	Huang Ming Qiu Xu Houcheng, Jiang Zhenyu, Yang Shengkai	National University of Defense Technology	B	Bronze Medal
377	Peng Gang Zhang Haidong, Li Zheng, Zhai Wenshuo	National University of Defense Technology	B	Bronze Medal
383	Zhang Sen Chen Zimo, Yu hongyun, Qin Xilong	National University of Defense Technology	B	Bronze Medal

384	Liu Yong Lu Rao Junreng, Zhou Xi, Chen Zhenyu	National University of Defense Technology	B	Bronze Medal
388	Zhong Ming Chen Mingkai, Luo Su Yiming, Ding Fei	National University of Defense Technology	B	Bronze Medal
390	Huang Ming Qiu Gao Zhiyong, Tian Jilong, Yang Zhikun	National University of Defense Technology	B	Bronze Medal
396	Li Yanqiang MENG ZEWEI, LIU RENKAI, WANG JIAHUI	Qingdao University	B	Bronze Medal
409	Li Yanqiang Zhou Binzhe, Pan Yajie, Chen Haihe	Qingdao University	B	Bronze Medal
455	Rishikesh Vaidya Pratyush Kumar Ray, Ayush Agrawal, Vedang Nadkarni	Birla Institute of Technology and Science Pilani	B	Bronze Medal
460	Mateusz Krzyzosiak Zhu Jingjing, Su Huiyu, Huang Yue	Shanghai Jiao Tong University/Joint Institute	B	Bronze Medal
102	Xiaoyu Sun Yingying Chen	Guangzhou City University of Technology	B	Acc. Competitor
116	John Sanders Charlie Zeigler	California State University - Fullerton	B	Acc. Competitor
117	John Sanders Justin Diamond, Nicolas Herrera	California State University - Fullerton	B	Acc. Competitor
118	John Sanders Kevin Estrada, William Worth	California State University - Fullerton	B	Acc. Competitor
121	Shyamal Ranjan Chakraborty Mohammad Sayef Ullah Sayem, Md. Mirajul Islam, Md. Istiaque Masud	University of Chittagong	B	Acc. Competitor
122	Asim Kumar Ghosh Prasangik Kundu, Arka Ghosh	Jadavpur University	B	Acc. Competitor
133	Shyamal Ranjan Chakraborty Md. Shamsul Alam Mahfuj, Arka Biswas Saikot, Shaily Barua Traya	University of Chittagong	B	Acc. Competitor
136	Qing-Hai Hao Lin Yuxuan, Wang Chenxu, Sun Yite	China Civil Aviation University	B	Acc. Competitor
137	Luis Enrique Garza Gaona Miguel Angel Soto Alcaraz, Victoria Guadalupe Valdez Prudencio, Jose Luis Valdez Seda	Universidad de Colima	B	Acc. Competitor
147	Dapeng Hao Zhen Lu, Zhanze Wang	China University of Mining and Technology	B	Acc. Competitor
149	Shyamal Ranjan Chakraborty Tasnim Reza, Md. Ashiqur Rahman Bayezid, Tuhin Akter	University of Chittagong	B	Acc. Competitor
150	Shyamal Ranjan Chakraborty Ashraful Karim, Shekh Sadi, Imtiaj Khan Lesun	University of Chittagong	B	Acc. Competitor
156	Shyamal Ranjan Chakraborty Md.Salman Shamil Sakib, Afsana Akter Supty, Md. Jihadul Islam	University of Chittagong	B	Acc. Competitor
157	Yanrui Guo Luyu Jiang, Wanqi Sun, Hanxi Li	Civil Aviation University of China	B	Acc. Competitor
163	Caesar O. Harahap Edbert Gunawan, Mandy Priscilla, Andre Wiryadarma	Universitas Multimedia Nusantara	B	Acc. Competitor

167	Lei Zhang Jingtao He, Zhiming Zhang, Yixin Zhao	China University of Mining and Technology	B	Acc. Competitor
170	Wangsuo Xia Ziang Zhang, Xinmei Chen, Haiwen Chen	China University of Mining and Technology	B	Acc. Competitor
174	Zhipeng Xun Yi Fan, Chao Li, Chenxi Pan	China University of Mining and Technology	B	Acc. Competitor
175	Zhipeng Xun Bofan Chen, Jialin Zhang, Ruimin Cui	China University of Mining and Technology	B	Acc. Competitor
176	Rong Zhang Xinyu Yang, Haipeng Wang, Tianqi Cai	China University of Mining and Technology	B	Acc. Competitor
177	Zhipeng Xun Wenjie Zhao, Mingming Hu, Shiqi Ren	China University of Mining and Technology	B	Acc. Competitor
179	Houguang Liu Dawei Zhang, Renzhi Zhao, Xuanye Fan	China University of Mining and Technology	B	Acc. Competitor
180	Wangsuo Xia Jiazan Liu, Zheng Shi, Yujia Zhang	China University of Mining and Technology	B	Acc. Competitor
182	Hua Chen Wancheng Wu, Liang Gan, Weiran Guo	China University of Mining and Technology	B	Acc. Competitor
186	Yang Zhang Jie Liu, Yachao Liu, Zijie Zeng	China University of Mining and Technology	B	Acc. Competitor
188	Long Bai Xutong Liu, Zhanglin Zhu, Yucong Li	China University of Mining and Technology	B	Acc. Competitor
190	Hua Chen Huayun Wang, Yang Xiao, Linxin Li	China University of Mining and Technology	B	Acc. Competitor
207	Guili Yu Hengjin Zhang, Yan Zheng, Shiyi Jing	China University of Mining and Technology	B	Acc. Competitor
211	Wangsuo Xia Ren Zhang, Yanming Li, Tianqi Xu	China University of Mining and Technology	B	Acc. Competitor
213	Wangsuo Xia Bing Chen, Xiaoyue Wang, Hao Liu	China University of Mining and Technology	B	Acc. Competitor
220	MAN 1 Bener Meriah Lisa Fathurrahmah, Wien Venezi, Fitdaturrahmi	Chandra Halim M.	B	Acc. Competitor
230	Hua Chen Yikun Zhang, Renji Liang, Zeyin Peng	China University of Mining and Technology	B	Acc. Competitor
231	Zhipeng Xun Heng Sun, Mingkun Guo, Chengkun Gao	China University of Mining and Technology	B	Acc. Competitor
234	Md. Kamal Hossain Adila Nusrat Shifa, Nusrat Jahan Faizah, Sangeeta Kundu	Jahangirnagar University	B	Acc. Competitor
235	Md. Kamal Hossain Farzana Haque Koli, Nawroz Mehzabin, Ishrat Jahan Nirjona	Jahangirnagar University	B	Acc. Competitor
236	Md. Kamal Hossain MD. AL-AMIN, Farhana Parvin Bristy, Sanmim Sumaiya	Jahangirnagar University	B	Acc. Competitor
238	Md. Kamal Hossain Sumiya Khan Sujana, Farjana Mahajabin, Shaswati Majumder	Jahangirnagar University	B	Acc. Competitor

239	Md. Kamal Hossain LUBABA FAYEZ SHUHA, SUFIA AHMAD ESHEKA, MORIYAM KHATUN SUMI	Jahangirnagar University	B	Acc. Competitor
240	Md. Kamal Hossain Joy Barman, Towfikul Islam Tahmid, Bishwa Nath Roy	Jahangirnagar University	B	Acc. Competitor
242	Md. Kamal Hossain Nowshin Tabassum Riya, Suhita Kar Chowdhury, Noor Ahammad	Jahangirnagar University	B	Acc. Competitor
244	Rong Zhang Zhongxin Li, Shiwang Song, Binjie Chang	China University of Mining and Technology	B	Acc. Competitor
247	Rong Zhang Wenhan Zhang, Ruotian Ren, Xiaonan Su	China University of Mining and Technology	B	Acc. Competitor
248	Rong Zhang Hao Chen, Qing Yao Dong, Run Long Yang	China University of Mining and Technology	B	Acc. Competitor
249	Han Kui Wang Yingchao, Xu Yufan, Zhang Deke	China University of Mining and Technology	B	Acc. Competitor
250	Hua Chen Yuting Zhou, Xingchi Zheng, Yifu Li	China University of Mining and Technology	B	Acc. Competitor
253	Li Guo Pengzhan Guo, Dejie Diao, Yangfan Deng	Qilu University of Technology	B	Acc. Competitor
256	Li Guo Wenxue Liu, Shuchao Qin, Yongqi He	Qilu University of Technology	B	Acc. Competitor
257	Li Guo Jiang Jiang, Jinlong Wu, Luyao Zheng	Qilu University of Technology	B	Acc. Competitor
258	Yulong Xu Jingyi Huang, Tenghui Cui, Xuecheng Zhang	Qilu University of Technology	B	Acc. Competitor
259	Yulong Xu Pengfei Chen, Jia Li, Chen Qian	Qilu University of Technology	B	Acc. Competitor
261	Jiancai Leng Yangyang Li, Xuepeng Hao, Zehua Liu	Qilu University of Technology	B	Acc. Competitor
262	Jiancai Leng Yikang Yu, Chao Shen, Lulu Sun	Qilu University of Technology	B	Acc. Competitor
263	Jiancai Leng Youpeng Gao, Shengliang Duan, Hao Ren	Qilu University of Technology	B	Acc. Competitor
264	Jiancai Leng Junhao Li, Kunpeng Li, Xikai Guan	Qilu University of Technology	B	Acc. Competitor
265	Xingguo Gao Shaoqiang Yan, Han Zhang, Jianlin Yang	Qilu University of Technology	B	Acc. Competitor
268	Meina Zhang Minghe Wu, Zhigao Xue	Qilu University of Technology	B	Acc. Competitor
270	Lei Zhang Peixian Geng, Qi Li, Xiaosong Zhou	China University of Mining and Technology	B	Acc. Competitor
275	ZHANG Jianwei WU Chenpeng, LIU Ziyue, XU Junbo	Tongji University	B	Acc. Competitor
285	James Busfield Afnaan Firthous, Kaltrina Rahmani, Maria Tucker	Queen Mary University of London	B	Acc. Competitor

287	Wangsuo Xia Huiye Jiao, Lijian Huang, Ye Hua	China University of Mining and Technology	B	Acc. Competitor
288	Long Bai Jiang Feng, Junyi Bao, Qinglong Xu	China University of Mining and Technology	B	Acc. Competitor
289	Linhua Xie Xingye Sun, Jiawei Lan, Haojie Zhang	Sichuan Normal University	B	Acc. Competitor
292	Lei Zhang Kaixin Gao, Taozi Zhang, Cheng Chang	China University of Mining and Technology	B	Acc. Competitor
294	Xiuhui Chen Weiyang Gao, Shiyi Sun, Zhiheng Chen	Qingdao City University	B	Acc. Competitor
297	Lei Zhang Shuangqing Hou, Mingyuan Zhang, Hongda Zi	China University of Mining and Technology	B	Acc. Competitor
298	Mateusz Krzyzosiak Haotian Fu, Yiwen Tu, Shaoze Yang	Shanghai Jiao Tong University	B	Acc. Competitor
304	Cesar Bonilla Alex Campino-Galvez, Matias Toledo-Calderon, Vicente Villegas-Inostroza	Universidad Católica del Norte	B	Acc. Competitor
308	LiZhao Miao Cheng, Shengwei Wang, Sixuan Wang	Lanzhou university	B	Acc. Competitor
313	Rong Zhang Zhehan Xu, Zihan Wang, Tianzhu Zhang	China University of Mining and Technology	B	Acc. Competitor
315	Sivakumar Manickam K Sruthi, Shree C, Rhea P Vaishnav	Amrita Vishwa Vidyapeethom	B	Acc. Competitor
320	Md.Abdul Hannan Taherin Hoq, Mumtahina Ferdous, Tamsi Ali	Shahjalal University of Science & Technology	B	Acc. Competitor
321	Naureen Ahsan Raisa Nawar Saleh	University of Dhaka	B	Acc. Competitor
326	MA Yan YANG Kaiwen, WANG Xiangdong, ZHANG Hualin	Tongji University	B	Acc. Competitor
328	Jun Yang Yuhua Zhou, Ruiqi Wei, Feiyang Li	Southern University of Science and Technology	B	Acc. Competitor
345	Sylvio May William Tupa, Michael Noah, Joseph Granlie	North Dakota State University	B	Acc. Competitor
348	Jackson Said Tymoteusz Piasecki, Marco David Gnudi, Zhehao Wang	University of Malta	B	Acc. Competitor
350	Reinard Primulando Reigina Keicy Purnama, Rich Mikhael Adelgold Simamora, Vincentius Evan Wijaya	Parahyangan Catholic University	B	Acc. Competitor
359	Mateusz Krzyzosiak Wu Yufan, Cai Xiongyi, Wang Ruiyi	SJTU	B	Acc. Competitor
365	Nazia Chawdhury Shahriar Pollob, Shadman Shakib, Abdullah Haque	Shahjalal University of Science and Technology	B	Acc. Competitor
369	Zhou Zhao Yan Ge Rongsheng, Xue Shiyan, Wang Ruoyu	National University of Defense Technology	B	Acc. Competitor
374	Zhang Sen Sun Fangtong, Wang Fuxing, Liu Jinguo	National University of Defense Technology	B	Acc. Competitor

386	Zhang Sen Guo Hongcheng, Tian Jiaming, Li Ziyang	National University of Defense Technology	B	Acc. Competitor
389	Zhong Ming Li Jiaqing, Yan Mengyu, Lu Wenhao	National University of Defense Technology	B	Acc. Competitor
393	Li Yanqiang Liu Kaixuan, Liu Zhiguo, Gao Bin	Qingdao University	B	Acc. Competitor
394	Li Yanqiang Quanhao Zheng, Pei Pei, Ziyu Wang	Qingdao University	B	Acc. Competitor
397	Lei Zhang Yu Luan, Xiaoxiao Liu, Zhijie Kang	China University of Mining and Technology	B	Acc. Competitor
398	Li Yanqiang Liu Zhitong, Yang Junyi, Ye Lianjia	Qingdao University	B	Acc. Competitor
403	Zhangzhu Han Shuailiang Liu, Guangliang Li, Zuohe Shi	Qingdao University	B	Acc. Competitor
406	Chenshu Yin Pinggen, Ding Siqi, Wen Shaoting	Qingdao University	B	Acc. Competitor
407	Li Yanqiang Li Jinghui, Sun Shiyu, Jin Zhicheng	Qingdao University	B	Acc. Competitor
408	Rakibul Hasan Sagor Hasnat Mohammad Nayeem, Md. Shariful Islam	Islamic University of Technology OIC	B	Acc. Competitor
410	Li Yanqiang Bian Rui, Zhang Yanjie, Chen Xueshan	Qingdao University	B	Acc. Competitor
411	Li Yanqiang Zhou sheng, Zhang wenjie, Zhang lingjie	Qingdao University	B	Acc. Competitor
417	Dan McCammon Yifei Liu	University of Wisconsin-Madison	B	Acc. Competitor
420	Li Yanqiang Li Yushan, Geng Jiahui, Zhen Haiqian	Qingdao University	B	Acc. Competitor
424	Jonathan Prance Bianca-Ioana Constandache, Bianca Giuroiu, Teodora Georgescu	Lancaster University	B	Acc. Competitor
432	Edwin Greco Khushi Taori, Fiza Shaikh, Aniketh Swain	Georgia Institute of Technology	B	Acc. Competitor
435	Edwin Greco David Lloyd George, Chesson Sipling, Sergio Ruiz	Georgia Institute of Technology	B	Acc. Competitor
437	Showmik Singha Hossain Roshid Mahmud, Quazi Sarwar Muhtaseem, Naymul Hasan Fahim	Shahjalal University of Science and Technology	B	Acc. Competitor
438	Ponkog Kumar Das Sayed Jafrul Hasan, Sakib Hossain Utsho	Shahjalal University of Science and Technology	B	Acc. Competitor
448	Paweł Sidorczak Szymon Bagiński, Patryk Rutkowski, Tomasz Malinowski	University of Warsaw	B	Acc. Competitor
452	Md. Ishfak Tahmid Md. Sajjad Hossain, Rezwan Zakaria, Md. Milon Khan	Shahjalal University of Science and Technology	B	Acc. Competitor
454	Laura DeGroot Haoge Yan, Ruochuan Tang	The College of Wooster	B	Acc. Competitor