

**The 2018 University Physics Competition
Results Announcement – January 21, 2019**

We are very pleased to announce the results of the ninth 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 9, 10, & 11, 2018, analyzing an applied scenario using the principles of physics, and writing a formal paper describing their work.

In this year's competition 281 teams submitted papers for judging. 185 teams selected "Problem A – Sending a Light Sail Propelled Nanocraft to Alpha Centauri" and 96 teams selected "Problem B – Compost Pile Sizes."

For Problem A, the Gold Medal Winning Teams were:

Team 158: Shubham Jain, Surabhi Gupta, & Kaavya Sahay
Institution: Indian Institute of Technology Delhi
Faculty Sponsor: Pradipta Ghosh

Team 258: Carles Falcó, Lucía Vílchez, Jacob Erlikhman
Institution: University of California, Santa Barbara
Faculty Sponsor: Nathaniel Craig

Team 295: Li Zeyue, Liu Mingjiang, & Wu Tianhao
Institution: National University of Defense Technology
Faculty Sponsor: Yi Wenjun

For problem B, the Gold Medal Winning Teams were:

Team 240: Jaume Cunill Subiranas, Marc Serra Peralta, & Laia Waffelaert Pascual
Institution: Universitat Autònoma de Barcelona
Faculty Sponsor: Àlvar Sánchez Moreno

Team 285: Yang Mingyue, Liu Hao, Sun Meichen
Institution: National University of Defense Technology
Faculty Sponsor: Zhong Ming

Of the 281 papers submitted in the 2018 University Physics Competition, 5 teams (1.8%) were ranked as Gold Medal Winners, 50 teams (18%) were ranked as Silver Medal Winners, 75 teams (27%) were ranked as Bronze Medal Winners, and 151 teams (54%) 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
director@uphysicsc.com
www.uphysicsc.com

Problem A - Sending a Light Sail Propelled Nanocraft to Alpha Centauri

Team	Sponsor/Students	Institution	Prob.	Rank
158	Pradipta Ghosh Shubham Jain, Surabhi Gupta, Kaavya Sahay	Indian Institute of Technology Delhi	A	Gold Medal
258	Nathaniel Craig Carles Falcó, Lucía Vílchez, Jacob Erlikhman	University of California, Santa Barbara	A	Gold Medal
295	Yi Wenjun Li Zeyue, Liu Mingjiang, Wu Tianhao	National University of Defense Technology	A	Gold Medal
101	Qianshun Dai Qianshun Dai, Qi Zhu, Letong Yuan	China University of Mining and Technology	A	Silver Medal
102	Grady Gambrel Aashish Kafle, H C Regan B Bhattu, Suraj Thapa Magar	Troy University	A	Silver Medal
104	Xi-kui Hu Yang-feng Fu, Dong-qi Luo, Yun Lu	Chongqing University of Posts and Telecomm.	A	Silver Medal
117	Jamie Cole Bowei Zhang, Chouzouris Matthaïos, Jacob Kemprud	The University of Edinburgh	A	Silver Medal
120	Academic and Student Affair Tri Nguyen Minh, Tri Nguyen Minh, Tuan Mai Anh	Vietnamese-German University	A	Silver Medal
132	Darren Craig Rachel Barron, Stephen McKay, Michelle de Oliveira	Wheaton College	A	Silver Medal
140	Sylvio May Reed Petersen, Sean Gunderson, Jacob Abrams	North Dakota State University	A	Silver Medal
143	Zhang Zhe Li Xiaoyang, Zou Yan, Gong Ruiwen	Civil Aviation University of China	A	Silver Medal
154	Jose Perico Esguerra John Bert Lazaro, Lizbeth Joy Tan, Willard Roy Alzate	University of the Philippines Diliman	A	Silver Medal
159	Aleksandr Chernatynskiy Nicholas Razo, Anzumaan Chakraborty, Nicholas Parris	Missouri S&T	A	Silver Medal
164	Andrew Frey Tim Coates, Kiera Augusto, Michael Grehan	University of Winnipeg	A	Silver Medal
165	Joshua Samani Rafi Hessami, Shon Mackie, River Robles	UCLA	A	Silver Medal
172	Mateusz Krzyzosiak Shaoxiong Yao, Xun Tu, Zhizhen Zhou	UM-SJTU Joint Institute	A	Silver Medal
174	Shao-Meng Qin Qing-Wen Zhang, Chen-Lu Feng, Na Yuan	Civil Aviation University of China	A	Silver Medal
180	Daniel F.V. James Tao Zhang, Sam Li, Arya Kimiaghalam	University of Toronto	A	Silver Medal
186	Changcheng Zhen Hongxiang Zhao, Jiayue Bai, Lixiang Zhao	Xi'an Jiaotong Liverpool University	A	Silver Medal
189	Md. Wahadoszamen Sumit Biswas, Tushar Mitra, Amit Lahiri	University of Dhaka	A	Silver Medal
191	Peter Schupp Ugne Liaubaite, Cristian Emiliano Godinez Ramirez, Bibek Bhujel	Jacobs University Bremen	A	Silver Medal
205	David Olsgaard Denver Hargrove, Kade Tatkenhorst, Cole Jacobsen	Simpson College	A	Silver Medal
217	Theocharis Apostolatos Emmanouil Georgios Drimalas, Filippos Panteleimon Psarras, Theodoros Marios Nousias	National and Kapodistrian University of Athens	A	Silver Medal
224	Daniel F. V. James Kehui Li, Brandon Tan,	University of Toronto	A	Silver Medal
229	Peng Li Yifan Zhong, Canming He, Xiang Li	Sichuan University	A	Silver Medal
251	Santiago Suriñach Cornet Pablo Benlloch Garcia, Pol Julià Farré, Jaime Pedregal Pastor	Universitat Autònoma de Barcelona	A	Silver Medal

252	Rafel Escribano Carrascosa Marina García Romero, Luis Muñecas Tomás, Martí Riba Pons	Universitat Autònoma de Barcelona	A	Silver Medal
260	Daniel F. V. James Rosalie Cormier, Sejal Sahni, Jaipratap Grewal	University of Toronto	A	Silver Medal
261	Daniel F. V. James Yukai Zhang	University of Toronto	A	Silver Medal
262	Shankar Mukherji Derik Kauffman, Caleb Ji, Scott Hershberger	Washington University in St. Louis	A	Silver Medal
263	Peng Gang Lu Shengyang, Qian Hanxiang, Sun Jianxiang	National University of Defense Technology	A	Silver Medal
265	Liu Yonglu Liu Xinpu, Liu Yueling, Luo Haipeng	National University of Defense Technology	A	Silver Medal
267	Liu Yonglu Zhang Yiyun, Song Yijing, Meng Fanxin	National University of Defense Technology	A	Silver Medal
284	Zhong Ming Wang Zhanyan, Wang Geng, Zhang Junjie	National University of Defense Technology	A	Silver Medal
286	Zhong Ming Sun Fengyuan, Ma Shaocong, Wu Xiaoyan	National University of Defense Technology	A	Silver Medal
321	Ed Greco Martino Stino, Charles Cardot, Yorick Andeweg	Georgia Tech	A	Silver Medal
332	Mahdi Sanati Sadman Ahmed Shanto, Colin T Brown, Ismael Alaniz	Texas Tech University	A	Silver Medal
407	Randolph S. Peterson Tristan Carlson, Bryan Walker, Adrian Tiric	University of the South	A	Silver Medal
420	John F. Lindner Abigail Ambrose, Milli Barai,	The College of Wooster	A	Silver Medal
107	Yuan Feng Kongling Chii, Wangxinyu, Liujie	Qingdao University	A	Bronze Medal
110	Yanqiang Li Ye Chen, Hao Wang, Jie Zheng	Qingdao University	A	Bronze Medal
113	Luca Martucci Federico Cima, Gabriele Manganelli, Matteo Zappia	University of Padua	A	Bronze Medal
114	Duan Manyi Zhou Runzhong, Qiao Yujie, Pan Min	Sichuan Normal University	A	Bronze Medal
122	Wen Li Mingming Duan, Yiming Ma, Xiang Yan	Civil Aviation University of China	A	Bronze Medal
135	Savinder Kaur Rupul Chandna, Jaswinder Singh, Tanya Chhabra	University of Delhi	A	Bronze Medal
139	Sylvio May Matthew Kurtti, Brandon Molina,	North Dakota State University	A	Bronze Medal
141	Mateusz Krzyzosiak Xu Xueming, Lu Xingyu, Fan Yiqing	Shanghai Jiao Tong University	A	Bronze Medal
144	Zhang Yanfeng Yin Yuanbo, Li Xin, Li Yongze	Civil Aviation University of China	A	Bronze Medal
151	Peter Schupp Aiman Al-Eryani, Crystal Mele, Deepak Aryal	Jacobs University Bremen	A	Bronze Medal
161	Andrew Frey Joe Hrzich, Cameron Russell, Andrew Sikora	University of Winnipeg	A	Bronze Medal
169	Hu Xuelan Shao Wenda, Xiao Zheyu, Jiang Sheng	Civil Aviation University of China	A	Bronze Medal
171	Mateusz Krzyzosiak Hongru Lu, Boyu Zhang, Jiaqi Wang	UM-SJTU Joint Institute	A	Bronze Medal
176	Md. Wahadoszamen Shuvodip Barua, Tasnim Akbar Faruquee, Asif Rakib	University of Dhaka	A	Bronze Medal

177	Towsif Taher Mohammad Muntasir Hassan, Fariba Islam, Shadman Shahriar	Bangladesh University of Engineering and Tech.	A	Bronze Medal
178	Daniel Cox Chad Mowers, Joey McTiernan, Michael Kovtun	University of California, Davis	A	Bronze Medal
179	Md Kamal Hossain Hamidur Rahman, Aymaan Fyroz, Md. Rakib Hassan	Jahangirnagar University	A	Bronze Medal
206	Changcheng Zheng Yudongfang Qin, Xuting Zhu, Lifan Xu	Xi'an Jiaotong-liverpool University	A	Bronze Medal
210	Daniel F. V. James Aosheng Gu, Zi Kun Zeng, Qi Yin Zheng	University of Toronto	A	Bronze Medal
215	Zhipeng Xun Yuhan Zhou, Chenqing Du, Yudong Chen	China University of Mining and Technology	A	Bronze Medal
218	Zhipeng Xun Xiaoli Zhang, Zewei Yu, Yang Peng	China University of Mining and Technology	A	Bronze Medal
220	Hu Xuelan Yang Yating, Sun Shiwen, Xu Wanwan	Civil Aviation University of China	A	Bronze Medal
223	Zhipeng Xun Chuannan Li, Hanpu Liang, Anping Hu	China University of Mining and Technology	A	Bronze Medal
227	David Olsgaard Michael Hite, Brianna Lund, Jacob Austin	Simpson College	A	Bronze Medal
234	Alfredo Aranda Bernardo Ameneyro-Rodriguez, Jose Abraham Pinedo-Soto, Jose Alberto Navarro-Serratos	Universidad de Colima	A	Bronze Medal
237	Marta González Silveira Pol Guijosa Araez, Tomás Fernández Martos, Jaime del Pozo Ortiz	Universitat Autònoma de Barcelona	A	Bronze Medal
244	Eduard Massó Soler Jordi Ferré Rodríguez, Sergi Andreu Boix, Eduard Calsina Pla-Giribert	Universitat Autònoma de Barcelona	A	Bronze Medal
245	Marta González Silveira Elisabet Roda Salichs, Carlos Ruiz González, Raúl Morral Yepes	Universitat Autònoma de Barcelona	A	Bronze Medal
248	Santiago Suriñach Cornet Pablo Báez Linero, Laura Ramió Matas, Joan Hernández García	Universitat Autònoma de Barcelona	A	Bronze Medal
266	Liu Yonglu Shen Yang, Wang Yusheng, Wang Meng	National University of Defense Technology	A	Bronze Medal
269	Liu Yonglu Zhang Yuchen, Zhang Tanghaoran, Bai Linxiao	National University of Defense Technology	A	Bronze Medal
273	Liu Yonglu Yu Dongyao, Ge Yangbing, Liu Bokun	National University of Defense Technology	A	Bronze Medal
274	Liu Yonglu Wang Jiayao, Xiao Yang, Che Zonglun	National University of Defense Technology	A	Bronze Medal
283	Zhong Ming Ou Zhixin, Zhang Xingguo, Liu Jianshuai	National University of Defense Technology	A	Bronze Medal
289	Zhong Ming Gao Kaicheng, Qiu Zipeng, Lyu Mingyang	National University of Defense Technology	A	Bronze Medal
304	Mateusz Krzyzosiak Cheng Bosen, Du Yang, Wang Yixuan	Shanghai Jiao Tong University	A	Bronze Medal
315	Reinard Primulando Delvydo Melvernaldo, Rizki Budiman, Muhammad Farhan	Parahyangan Catholic University	A	Bronze Medal
316	Keya Bose Joya Ghosh Dastider, Adrija Goswami, Arpita Dutta	University of Calcutta	A	Bronze Medal
334	Kenath Arun Sharath S, Joshua Kattapuram, Manasa Reddy	Christ Junior College	A	Bronze Medal
335	Zhang Yuzhong Zhu Chenyu, Xin Shuo, Guo Yaozhen	Tongji University	A	Bronze Medal
337	Zhang Yuzhong Xu Xian, Liu Tongying, Ji Mingze	Tongji University	A	Bronze Medal

339	Barbara Capogrosso-Sansone Liana Shpani, Alejandra Rosselli, Megan Elizabeth McIntyre	Clark University	A	Bronze Medal
344	Huihui Zhuang Min Hu, Qingjin Chen, Tianhao Liang	Officer College of PAP	A	Bronze Medal
348	Xiumin Liu Rui Shen, Yucheng Liang, Shunqian Lin	Officer College of PAP	A	Bronze Medal
358	Jing Chen Weihao Chen, Xiaoyuan Li, Jiawei Zhang	Officer College of PAP	A	Bronze Medal
393	Douglas H Beck Leonardo Javier Rodriguez Gutierrez, Daniel Edward Vaz,	University of Illinois at Urbana-Champaign	A	Bronze Medal
396	Muhammad Omar Faruk Torikul Islam Raju, Sulyman Hossain, Mamunur Rashid	Shahjalal University of Science and Technology	A	Bronze Medal
402	Wojciech Dominik Pawel Szczypkowski, Kacper Raciborski, Bartosz Markowicz	University of Warsaw	A	Bronze Medal
405	Wojciech Dominik Piotr Górski, Klaudia Nosal, Pawel Sidorczak	University of Warsaw	A	Bronze Medal
409	Jose Lozano John Ebersole, Nathan Folley,	Bradley University	A	Bronze Medal
103	Eng.Fahrudin Nugroho Chandra Halim M, Febri Satria, Abdurrahman Wachid Shaffar	Gajah Mada University	A	Acc. Competitor
108	FengYuan RanYan, HuaChen, XianzhouShao	Qingdao University	A	Acc. Competitor
109	Chengyong Zhong Xiejia Liang, Xunliang Yang, Yongsen Deng	Chongqing University of Posts and Telecomm.	A	Acc. Competitor
111	Duan Manyi Lei Min, Zeng Hong, Zhang Yuxiang	Sichuan Normal University	A	Acc. Competitor
121	Yang Jun Tian Zhiyuan, Wei Chengtao, Zhang Jiayuan	Southern University of Science and Technology	A	Acc. Competitor
124	Peter Schupp Sandeep Gyawali, Ilseok Lee, Liang Yu-Chih	Jacobs University Bremen	A	Acc. Competitor
129	Pan Yu Fu Linsheng, You Shuo, Yu Chong	Chongqing University of Posts and Telecomm.	A	Acc. Competitor
133	Rajendra S Mahamuni Dariya Kishor Budhani, Kedar Gurunath Joshi, Vishal Vithal Shinde	Fergusson College	A	Acc. Competitor
136	Pan Nana Sun Mengfei, Hu Fei, Qin Xiao	Chongqing University of Posts and Telecomm.	A	Acc. Competitor
137	Pan Nana Bi-quan Yang, Yu-xiao Wu, Qing-zhou Bu	Chongqing University of Posts and Telecomm.	A	Acc. Competitor
145	Yanqiang Li Mingjun Zhao, Wenchang Wu, Limeng Ma	Qingdao University	A	Acc. Competitor
147	Lin Lap Ming Qian Chen, Jiang Yue, Lyu Liu Ke	The Chinese University of Hong Kong	A	Acc. Competitor
148	Wenhao Zhang Siyu Cheng, Yiting Mao, Zijunwei	Huazhong University of Science and Technology	A	Acc. Competitor
150	Thijs Kouwenhoven Jiaming Gu, Chenyu Wu, Yi Zhu	Xi'an Jiaotong-liverpool Uiversity	A	Acc. Competitor
155	Jose Perico H. Esguerra Marco Immanuel Rivera, Matthew Joseph Banaag, Lemuel Gavin Saret	University of the Philippines Diliman	A	Acc. Competitor
157	Yanfeng Zhang Weikang Li, Chaohan Shi, Xiangyin Hao	Civil Aviation University of China	A	Acc. Competitor
160	Aleksandr Chernatynskiy Brady Martin, Timothy Van Hoose, Keith Reece	Missouri S&T	A	Acc. Competitor
168	Nana Pan Minfei Xie, Su Xu, Yuehao Yin	Chongqing University of Posts and Telecomm.	A	Acc. Competitor

170	Yang Lei Niu Yun, Zhang Qiuyue, Zhou Zeli	Civil Aviation University of China	A	Acc. Competitor
182	Ishtiaque M. Syed Hridoy Debnath, MD. Mainul Abrar, MD. Kamal Uddin	University Of Dhaka	A	Acc. Competitor
184	Yanfeng Zhang Xianze Cao, Xiaolu Wang, Shuo Yang	Civil Aviation University of China	A	Acc. Competitor
187	Md. Wahadoszamen Fahim Bin Selim, Ahmad An-Naba, Md. Jakaria Zahid Islam	University of Dhaka	A	Acc. Competitor
193	Changcheng Zheng Kaizhong Deng, Jiaheng Lei, Yimian Liu	Xi'an Jiaotong-Liverpool University	A	Acc. Competitor
194	Changcheng Zhen Gan Fang, Jinwei Li, Ying Li	Xi'an Jiaotong-Liverpool University	A	Acc. Competitor
196	Vishal Mathur Kshitij Pandey, Murli Vignesh, Abhishek Sharma	The ICFAI University, Jaipur	A	Acc. Competitor
197	Changcheng Zheng Xingwu Li, Ziyue Qiu, Siming Zhang	Xi'an Jiaotong-Liverpool University	A	Acc. Competitor
201	Thijs Kouwenhoven Zhuoyi.Wei, Honghao.Zhu, Shenjian.Zhang	Xi'an Jiaotong-Liverpool University	A	Acc. Competitor
202	Changcheng Zheng Muyang Li, Siyuan Chen, Zhengxiang Wei	Xi'an Jiaotong-Liverpool University	A	Acc. Competitor
208	Daniel F. V. James Rikin Gurditta, Mikdad Talpur, Vaskar Nath	University of Toronto	A	Acc. Competitor
211	Jian-Cai Leng Su-Ping Jiao, He Yang, Xin-Yu Liu	Qilu University of Technology	A	Acc. Competitor
212	Yu-Long Xu Yi-Jie Zhang, Kang-Kang Men, Sheng-Peng Zhang	Qilu University of Technology	A	Acc. Competitor
214	Jian-Cai Leng Hao Liu, Kun-Peng Lang, Lin-Jie Li	Qilu University of Technology	A	Acc. Competitor
222	Daniel Cox Sarah Edwards, Vince Nguyen, Will Gushurst	UC Davis	A	Acc. Competitor
225	Md Kamal Hossain Md. Muhtasim Fuad, Umayya Afrin, Tasfia Yeashna	Jahangirnagar University	A	Acc. Competitor
226	Md Kamal Hossain Ishtiaque Ahmed Sayef, Md Mahmud, Khan Niloy	Jahangirnagar University	A	Acc. Competitor
228	David Olsgaard Zach Kreider, Cole Sigler, Daniel Camacho	Simpson College	A	Acc. Competitor
230	John Smith Panhasopheak Pang (Stephany), Steven Oslan, Thannara Che (Eric)	Middlesex Community College	A	Acc. Competitor
238	Javier Rodríguez Viejo Carlos Gas Ferrer, David Muñoz Lahoz, Nereu Montserrat Busquets	Universitat Autònoma de Barcelona	A	Acc. Competitor
241	Marta González Silveira Carmina Prat Fusté, Mercedes Garcia Villaescusa, Óscar Porqueras León	Universitat Autònoma de Barcelona	A	Acc. Competitor
246	José Flix Molina Diego Esteban Contreras De Abreu, Ion Martí i Merino, Marc Duran Sala	Universitat Autònoma de Barcelona	A	Acc. Competitor
247	Àlvar Sánchez Moreno Ferran Recasens i Garcia, Òscar Lara Crosas, Albert Duran Cabacés	Universitat Autònoma de Barcelona	A	Acc. Competitor
257	Spencer Smith Xinrui Zhu, Ji-Won Ham, Penelope Taylor	Mount Holyoke College	A	Acc. Competitor
264	Liu Yonglu Zhang Zhiyong, Shi Yixin, Chen Hui	National University of Defense Technology	A	Acc. Competitor
268	Liu Yonglu Xu Bihao, Li Nanjun, Ni Xiaocheng	National University of Defense Technology	A	Acc. Competitor
272	Liu Yonglu Li Ruoqing, Wang Jiacan, Ou Yangrunlong	National University of Defense Technology	A	Acc. Competitor

277	Zhong Ming Sun Tianyu, Zhang Yixiao, Tan Li	National University of Defense Technology	A	Acc. Competitor
278	Zhong Ming Yue Chenyang, Chi Hang, Rao Binyu	National University of Defense Technology	A	Acc. Competitor
279	Zhong Ming Huang Hong, Yu Jiaqi, Wang Liwen	National University of Defense Technology	A	Acc. Competitor
280	Zhong Ming Yuan Huan, Chen Weili, He Tao	National University of Defense Technology	A	Acc. Competitor
288	Zhong Ming Zhang Tiejian, Dai Sisi, Zhang Yi	National University of Defense Technology	A	Acc. Competitor
290	Zhong Ming Yang Zhou, Wang Zhenlin, Zhang Xinyong	National University of Defense Technology	A	Acc. Competitor
293	Yi Wenjun Ding Ling , Wang Boyang, Chen Chen	National University of Defense Technology	A	Acc. Competitor
294	Yi Wenjun Li Minhao , Li Tianzhi, Zhang Xin	National University of Defense Technology	A	Acc. Competitor
300	Shyamal Ranjan Chakraborty Md. Mehedy Hasan Tanvir, Nur Mohammad Imran, Md. Anisur Rahman	University of Chittagong	A	Acc. Competitor
301	Abdul Hannan Rajiv Das	Shahjalal University of Science and Technology	A	Acc. Competitor
306	Shyamal Ranjan Chakraborty Abdullah Mamun, Monir Alam, Saifullah Masum	University of Chittagong	A	Acc. Competitor
309	Chunhua Zheng Gongyong Wu, Wenhua Ye, Wenbo Xie	Officer College of PAP	A	Acc. Competitor
313	Muhammad Omar Faruk Md. Imran Khan, Md. Tashin Ahammad, Ahmad Al - Imtiaz	Shahjalal University of Science and Technology	A	Acc. Competitor
318	Ponkog Kumar Das Newton Kumar Mondol, Rahul Saha, Sadikul Islam	Shahjalal University of Science and Technology	A	Acc. Competitor
319	Saleh Hasan Naqib Sunzida Parvin Prity	Rajshahi University	A	Acc. Competitor
322	Ed Greco Shobhan Kulshreshtha, Tanay Tak, Daniel Murphy	Georgia Tech	A	Acc. Competitor
325	Ed Greco John Corker, Qichen Liu, Danshyl Boodhoo	Georgia Tech	A	Acc. Competitor
328	XiaoLi Jia DeFeng Wang, WenPei Wu,	Specialized Forces College of PAP	A	Acc. Competitor
329	Cristian Bahrim Leslie Jester, Andrew Duran, Ariali Soto	Lamar University	A	Acc. Competitor
331	Richard Wigmans William Zach Kariampuzha, Mathew Cameron Torres, Derek Esomonu	Texas Tech University	A	Acc. Competitor
333	David Lamp Peter Charles Wibert, Nelson Paul Mora Lopez, Alexandria Fay Clarke	Texas Tech University	A	Acc. Competitor
336	Fang Kai Tang Wenting, Yuan Youliang, Qin Rongjiang	Tongji University	A	Acc. Competitor
343	Chunhua Zheng Shixiao Miao, Qifan Zhou, Haijing Qi	Officer College of PAP	A	Acc. Competitor
350	Xiumin Liu Guangyu Ma, Xianhao Zhang, Junhong Guo	Officer College of PAP	A	Acc. Competitor
353	Jing Chen Shenghu Wang, Yousheng Liu, Zimu Chen	Officer College of PAP	A	Acc. Competitor
360	Niao Bo Yanjie Zhu, Ming Cai, Sheng Qiu	Officer College of PAP	A	Acc. Competitor
361	Niao Bo Shihao Xia, Songyan Qiao, Liangliang Ji	Officer College of PAP	A	Acc. Competitor

367	LingLing Gao Jie Gao, YiRong Chen, ShuLei Niu	Officer College of PAP	A	Acc. Competitor
370	LingLing Gao Wei Liu, YongFu Chen, XinYuan Yang	Officer College of PAP	A	Acc. Competitor
371	LingLing Gao Hao Wen, Zhongwei Tu, Wenda Wu	Officer College of PAP	A	Acc. Competitor
372	LingLing Gao Ruixuan Wang, Xing Wei, Jiarui Su	Officer College of PAP	A	Acc. Competitor
374	LingLing Gao Yan Gao, Rui He, Peng Zhang	Officer College of PAP	A	Acc. Competitor
375	QiMing Du Yanwen Zhang, Yupeng Peng, Li Zhao	Officer College of PAP	A	Acc. Competitor
377	QiMing Du Wenlei Sun, Shuai Yu, Weirong Liao	Officer College of PAP	A	Acc. Competitor
378	QiMing Du Panshuai Xue, Shansong Zhu, Zixiang Zhu	Officer College of PAP	A	Acc. Competitor
379	Yi Tang Baiyan Li, Yuejun Zeng, Lumin Feng	Officer College of PAP	A	Acc. Competitor
381	Yi Tang Yi Wang, Hongrui Wu, Zhengnie Mo	Officer College of PAP	A	Acc. Competitor
383	Huihui Zhuang Nan Xie, Xunyan Wang, Zhe Ji	Officer College of PAP	A	Acc. Competitor
384	Qiming DU Ruilun Bai, Tingxuan Zhu, Qinyin Zheng	Officer College of PAP	A	Acc. Competitor
389	Huihui Zhuang Zhimin Guo , Tao Li, Liubang Jiang	Officer College of PAP	A	Acc. Competitor
391	Henry Pinto Jorge Vega, Doménica Garzón, María Rosa Preciado	YachayTech University	A	Acc. Competitor
392	Ben Bousquet Shea Hartzler, Michael Zhang, Justin Schoppe	Wartburg College	A	Acc. Competitor
394	LingLing Gao Lin Xu, ZiXin Cai, Long Chen	Officer College of PAP	A	Acc. Competitor
395	Yingqi Tao Hengyu Wu, Desong Li, Zewei Wu	Officer College of PAP	A	Acc. Competitor
400	Keya Bose Swarnali Sarkar, Anwasha Hoodati, Rakhi Saha	Lady Brabourne College	A	Acc. Competitor
403	Omar Faruk Chowdhury Abrar Faiyaz, Wasim Kamal, Fazle Rabbi Khan Joy	Shahjalal University of Science and Technology	A	Acc. Competitor
411	Augustine Chikwendu Zion Pibowei	Renaissance University, Enugu	A	Acc. Competitor
412	Md Enamul Hoque Abdullah Al Hamim, Md. Sadik Hasan, Md. Sohel Rana	Shahjalal University of Science and Technology	A	Acc. Competitor
416	Muhammad Omar Faruk Sk Nafis Akbar, Sorowar Kawsar Novel,	Shahjalal University of Science and Technology	A	Acc. Competitor
417	Vicky Mason Felix Scarbrough, Alejandra Traspas Muina,	University of Kent	A	Acc. Competitor
418	Ponkog Kumar Das Banasree Sarkar Mou, Bijori Talukder, Nithika Datta	Shahjalal University of Science and Technology	A	Acc. Competitor

Problem B - Compost Pile Sizes

Team #	Sponsor/Students	Institution	Prob.	Rank
240	Àlvar Sánchez Moreno Jaume Cunill Subiranas, Marc Serra Peralta, Laia	Universitat Autònoma de Barcelona Waffelaert Pascual	B	Gold Medal
285	Zhong Ming Yang Mingyue, Liu Hao, Sun Meichen	National University of Defense Technology	B	Gold Medal
105	Xikui Hu Zhuoyu Zhang, Longjiang Cao, Fanyu Liu	Chongqing University of Posts and Telecomm.	B	Silver Medal
115	Ding Guangqian Huang Zhiyu, Zhang Tao, Qiao Qingsong	Chongqing University of Posts and Telecomm.	B	Silver Medal
126	Li Yanqiang Wang Xuejiao, Su Qi, Xu Lixin	Qingdao University	B	Silver Medal
173	Zhou Hang Yang Jinchuan, Liu Yuzhe, Lin Lanhui	Civil Aviation University of China	B	Silver Medal
242	Àlvar Sánchez Moreno Sandro Barissi Marín, Arnau Mas Dorca, Maria	Universitat Autònoma de Barcelona Torras Pérez	B	Silver Medal
249	Verónica Ahufinger Breto Marina Berbel Palomeque, Álvaro Moreno Abajo, Víctor	Universitat Autònoma de Barcelona Escolano García	B	Silver Medal
256	Kinjal Bannerjee Khyati Jain, Devashish Gupta, Nikhil Pratap Singh	Birla Institute Of Technology and Science, Pilani Bisht	B	Silver Medal
296	Yi Wenjun Zheng Weijia, Hu Siyuan, Jiang Feng	National University of Defense Technology	B	Silver Medal
299	Mike Birse Dowon Baek, Daniel Duque, Yvette Chow	University of Manchester	B	Silver Medal
314	Janto V. Sulungbudi Nadya Tjindra, Jennifer Lorenza, Ronald Anjaristo	Parahyangan Catholic University	B	Silver Medal
324	Ed Greco Samuel Wiley, Anthony Aportela, Patrick Pinny	Georgia Tech	B	Silver Medal
327	Nicole Ackerman Ruoyi Wang, Ruotong Zhai, Meng Yu	Agnes Scott College	B	Silver Medal
338	Cristian Bahrim Nathan Rose, Cody Sasser, Frederick Donahey	Lamar University	B	Silver Medal
413	Ponkog Kumar Das Nawsher Jahan Parvez, Oliur Rahman, Mohammad Abrar Nafi	Shahjalal University of Science and Technology	B	Silver Medal
146	Yanqiang Li Guixu Xie, Hesheng Su, Hongyu Zhao	Qingdao University	B	Bronze Medal
149	Sylvio May Matthew Schoenecker, Noah Seekins,	North Dakota State University	B	Bronze Medal
162	Joshua Samani Cathy Zhuang, Qile Su,	UCLA	B	Bronze Medal
203	Qing-Hai Hao Jin-Bo Cheng, Lei Hou, Yu-Jian Du	Civil Aviation University of China	B	Bronze Medal
204	Hongtao Chen Ning Lai, Shengwei Guo, Xuhe Zhao	Civil Aviation University of China	B	Bronze Medal
207	Keith Ulmer Ang Li, Yuanbo Song, Nayan Dong	University of Colorado, Boulder	B	Bronze Medal
213	Yu-Long Xu Yong-Chao Li, Wen-Ji Li, Hang Li	Qilu University of Technology	B	Bronze Medal
232	Alfredo Aranda Carlos O. Villalpando-Vargas, Dario Chaires-Ariciniega, Manuel I. Torres-Gonzalez	Universidad de Colima	B	Bronze Medal
233	Alfredo Aranda Francisco Castillo-Lona, Diego Ibarra-Hoyos, Moises Gomez-Solis	Universidad de Colima	B	Bronze Medal
236	Rafel Escribano Carrascosa Roger Morales Espasa, Mercè Roig Server, Alba	Universitat Autònoma de Barcelona Torras Coloma	B	Bronze Medal

243	Verónica Ahufinger Breto Cristina Balsells Llort, Mar Canal i Saguer, Pere Munar Vallespir	Universitat Autònoma de Barcelona	B	Bronze Medal
253	Àlvar Sánchez Moreno Natanael José Bort Soldevila, Èric Bach Marquès, Marc Ramos Llorens	Universitat Autònoma de Barcelona	B	Bronze Medal
255	Daniel James Yacine Benkirane, Andrey Remorov, Anuj Yadav	University of Toronto	B	Bronze Medal
270	Liu Yonglu Yang Xu, Zhou Jie, Wang Yiqing	National University of Defense Technology	B	Bronze Medal
271	Liu Yonglu Zeng Ping, Wu Jizhe, Jiang Dapeng	National University of Defense Technology	B	Bronze Medal
276	Liu Yonglu Zhang Jie, Ji Yatai, Zhu Mengna	National University of Defense Technology	B	Bronze Medal
281	Zhong Ming Gao Yuan, Ding Ning, Sun Jun	National University of Defense Technology	B	Bronze Medal
282	Zhong Ming Li Guosheng, Xia Zihao, Wang Jinghao	National University of Defense Technology	B	Bronze Medal
287	Zhong Ming He Jiezhong, Liu Suyuan, Shi Zehao	National University of Defense Technology	B	Bronze Medal
291	Wang Yu Chang Yahui, Han Qinge, Hou Shichao	National University of Defense Technology	B	Bronze Medal
303	Hong Ma Yongjie Dong, Xinyue Wang, Yimeng Zhu	Shandong Normal University	B	Bronze Medal
326	Ivan Biaggio Jianyi Chen, Oliwia Krupinska, Felix Quintana	Lehigh University	B	Bronze Medal
382	Chunhua Zheng Wencai Xie, Zhang Hao, Junfeng Liu	Officer College of PAP	B	Bronze Medal
386	Chunhua Zheng Chengyu Gao, Binxu Wang, Hui Lin	Officer College of PAP	B	Bronze Medal
398	Martin Hendry Ryan Probyn, Lewis Dickson, Hector Spencer-Wood	University of Glasgow	B	Bronze Medal
106	QingXu Li Yi Yang, JiaPeng Wang, MengLin Yang	Chongqing University of Posts and Telecomm.	B	Acc. Competitor
118	Santosh Kumar Vikas Bhat, Ajay Shanmuga, Pranav Sateesh	Shiv Nadar University	B	Acc. Competitor
128	Pan Yu Ma Hongchuan, Luo Xin, Xiang Lin	Chongqing University of Posts and Telecomm.	B	Acc. Competitor
156	Hao Yu Mingrui Yuan, Taoru Wang, Kairun Huo	Xi'an Jiaotong-Liverpool University	B	Acc. Competitor
166	Maria Elena Tejeda-Yeomans Gabriel Alejandro Jacobo Pamplona, Juan Ramiro Salazar Adame, Carlos Enrique Salazar Hernandez	Universidad de Colima	B	Acc. Competitor
181	Jian Li Xixiang Xu, Yingling Liu, Peng Guo	Chongqing University of Posts and Telecomm.	B	Acc. Competitor
188	Changcheng Zheng Zhaoxuan Hu, Jingying Li, Xuefan Li	Xi'an Jiaotong-liverpool University	B	Acc. Competitor
190	Aditya Narain Agnihotri G. Akshay, S. Chethus, Sumanth Varambally	Indian Institute of Technology, Delhi	B	Acc. Competitor
195	Peter Schupp Alexandra-Cosmina Comaniciu, Aaron Wilkens, Sivanessha Kalithasan	Jacobs University	B	Acc. Competitor
198	Jun Yang Xiao Duan, Lingfei Wang,	Southern University of Science and Technology	B	Acc. Competitor
200	Amit Agarwal Samarth Kapoor, Nancy Goyal, Aryaman Jha	Indian Institute of Technology, Kanpur	B	Acc. Competitor
209	Daniel F. V. James Julie Midroni, Nikolai Ho, Brendan Halliday	University of Toronto	B	Acc. Competitor

216	Rohit Kumar Singh Vineet Khurana, Dhruv Rana,	Netaji Subhas Institute Of Technology, New Delhi	B	Acc. Competitor
219	Alamgir Kabir Maruf Ahmed, Md Samiur Rahman Mir, Rafid Buksh	University of Dhaka	B	Acc. Competitor
235	Rafel Escribano Carrascosa Bernat Molero Agudo, Santiago Vallés Sanclemente, Carla Muñoz Pérez	Universitat Autònoma de Barcelona	B	Acc. Competitor
250	Eduard Massó Soler Gerard Aguilar Tapia, Ángel Gil Muyor, Francisco Sánchez Jorge	Universitat Autònoma de Barcelona	B	Acc. Competitor
275	Liu Yonglu Cao Tianruo, Chen Qiuyu, Wang Shuo	National University of Defense Technology	B	Acc. Competitor
292	Wang Yu Wang Chenyang, Zhang Yongheng, Zhang Xingyu	National University of Defense Technology	B	Acc. Competitor
298	Jose Perico Esguerra Janna May Angeles, Xyd Dionela Agapito , Anika Maria Athena Ramos Acosta	University of the Philippines Diliman	B	Acc. Competitor
305	Nujhat Nuri Sultana Rokibul Hasan, Md. Hasibul Kabir, Abdul Kaium	SUST	B	Acc. Competitor
307	QiMing Du JiaHao Zhu, ShaoBao Hu, ZhengYu Zhang	Officer College of PAP	B	Acc. Competitor
308	QiMing Du Qiqin Ren, Jie He, Shaojun Yang	Officer College of PAP	B	Acc. Competitor
310	Chunhua Zheng Hong Zeng, Zhiqiang Tan, Chi Xu	Officer College of PAP	B	Acc. Competitor
311	Chunhua Zheng Minghao Li, Zili Gao, Changyan Chen	Officer College of PAP	B	Acc. Competitor
312	Chunhua Zheng Xicheng Huang, Zhihua Li, Wenbin Yin	Officer College of PAP	B	Acc. Competitor
323	Ed Greco Aradhya Rajanala, Robin Glefke, Markian Hromiak	Georgia Tech	B	Acc. Competitor
340	Chunhua Zheng Chengsheng Li , Hongwu Huang, Jiajia Zhang	Officer College of PAP	B	Acc. Competitor
341	Chunhua Zheng WenQiang Wu, YuLong Ma, ManSi Huang	Officer College of PAP	B	Acc. Competitor
342	Chunhua Zheng Hechuan DU, Jiaxu Zheng, Weixin Wei	Officer College of PAP	B	Acc. Competitor
345	Huihui Zhuang Chudong Peng, Jie Zou, Shaoqi Shen	Officer College of PAP	B	Acc. Competitor
346	Huihui Zhuang Weite Xie, Fan Shi, Hefeng Si	Officer College of PAP	B	Acc. Competitor
347	Huihui Zhuang Shijie Feng, Tong Cheng, Kaiyue Feng	Officer College of PAP	B	Acc. Competitor
349	Xiumin Liu Weijun Wang, Gongming Zang, Jingrui Liu	Officer College of PAP	B	Acc. Competitor
351	Jing Chen Kaibin He, Wenjian Liu, Xiaobo Dai	Officer College of PAP	B	Acc. Competitor
352	Jing Chen Zhukun Li, Jinhao Xie, Yichuan Luo	Officer College of PAP	B	Acc. Competitor
354	Jing Chen Lei Zhang, Han Wu, Yeyingyi Fang	Officer College of PAP	B	Acc. Competitor
355	Jing Chen Gaiwen Li, Hui Zhao, Xueyao Zhang	Officer College of PAP	B	Acc. Competitor
356	Jing Chen Xintong Yuan, Zihe Lin, Xisong Wu	Officer College of PAP	B	Acc. Competitor
357	Jing Chen zhanAo Zou, Hao Liu , zhaoRen Chen	Officer College of PAP	B	Acc. Competitor

359	Jing Chen Hu Han, TianXiang Deng, Yu Liao	Officer College of PAP	B	Acc. Competitor
362	Niao Bo ShaoWei Peng, XiaoFei Gao, Jian Yang	Officer College of PAP	B	Acc. Competitor
363	Niao Bo Lianjun He, Yu Zhao, Zhun Tan	Officer College of PAP	B	Acc. Competitor
364	Niao Bo JunJie Lin, ZeJin Huang, YaJin Wei	Officer College of PAP	B	Acc. Competitor
365	Huihui Zhuang Xuening Li, Jiayi Li, Achao Huang	Officer College of PAP	B	Acc. Competitor
366	Yaqiong Guo ZiBin Yi, FangNan Tang, ChangMing Tan	Officer College of PAP	B	Acc. Competitor
368	LingLing Gao ShengBiao Cao, JiZe Guo, BengFei Zeng	Officer College of PAP	B	Acc. Competitor
369	LingLing Gao Hanchang Lv, Kaipeng Guan, Peijie Fan	Officer College of PAP	B	Acc. Competitor
373	QiMing Du Jun Yang, Yuhang Qiao, Biao Ruan	Officer College of PAP	B	Acc. Competitor
376	QiMing Du Tong Zheng, yang liu, wu jun liu	Officer College of PAP	B	Acc. Competitor
380	Yi Tang Shi Cheng, Qing Zhou, Xiaohao He	Officer College of PAP	B	Acc. Competitor
385	Qiming DU Jiaqing Liang, Qibing Li, Yuxiang Zhu	Officer College of PAP	B	Acc. Competitor
388	Niao Bo Qiling Zhang, Yao Zhang, Gengxing Hu	Officer College of PAP	B	Acc. Competitor
390	LingLing Gao Nan Zheng, FengLin Zeng, LiangQuan Yang	Officer College of PAP	B	Acc. Competitor
406	Randolph S. Peterson Daniel Garner, Jacob Piatt, Ashraful Haque	University of the South	B	Acc. Competitor
421	Jing Chen Dongdong Tian, Yu Deng, BenJia Sun	Officer College of PAP	B	Acc. Competitor