

**The 2011 University Physics Competition
Results Announcement – December 19, 2011**

We are very pleased to announce the results of the second 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 4, 5 & 6 analyzing an applied scenario using the principles of physics, and writing a formal paper describing their work.

During this year 77 teams submitted papers for judging. 28 teams selected “Problem A - Space Tower Launch Costs” and 49 teams selected “Problem B - Shooting a Basketball for Three Points.”

For Problem A, the Gold Medal Winning Team was:

Team 352: Christopher Frye, Jie Liang, & Ryan Hardy
Institution: University of Central Florida
Team Advisor: Costas Efthimiou

For problem B, the Gold Medal Winning Team was:

Team 379: Rebecca Schutzengel, Patrick Varin, & Brendan Quinlivan
Institution: F. W. Olin College of Engineering
Team Advisor: Yevgeniya V. Zastavker

Of the 77 teams in the 2011 University Physics Competition, 2 teams (3%) were ranked as Gold Medal Winners, 14 teams (18%) were ranked as Silver Medal Winners, 21 teams (27%) were ranked as Bronze Medal Winners, and 40 teams (52%) were ranked as Accomplished Competitors. The 2011 University Physics Competition received official sponsorship from the American Physical Society and American Astronomical Society, which provided prizes for the gold medal winning teams.

We extend our sincerest congratulations to each of the 77 competing teams for their excellent work and their enthusiasm for physics!

Kelly S. Cline
Carroll College; Helena, MT
Director of the 2011 University Physics Competition, director@uphysicsc.com
www.uphysicsc.com

Problem A - Space Tower Launch Costs

Team #	Advisor/Students	Institution	Problem	Rank
352	Costas Efthimiou Christopher Frye, Jie Liang, & Ryan Hardy	University of Central Florida	A	Gold Medal
304	Mark Neubauer Zhaoqi Leng, Ying-Ting Lin, & Tsung-Lin Hsieh	University of Illinois at Urbana and Champaign	A	Silver Medal
305	Charles Benesh Humaira Taz & Yiran Chen	Wesleyan College	A	Silver Medal
336	Carl Gwinn Florian Klimm, Johannes Lange, & Alexander Jahn	University of California at Santa Barbara	A	Silver Medal
343	Dr. Denise Gabuzda Anthony Kiely, Liam O'Shaughnessy, & Cormac McAuliffe	University College Cork	A	Silver Medal
370	Winston Roberts Jesse Raffield, Ashley Huff, & Derrick Vangennep	Florida State University	A	Silver Medal
301	Dr. Dipangkar Dutta Prajwal Mohanmurthy, Benjamin Lewis, & David Reed	Mississippi State University	A	Bronze Medal
323	Alfredo Aranda Manuel A. Buen-Abad-Najar, Omar A. Ruiz-Macias, & German Gutierrez-Hernandez	Universidad de Colima	A	Bronze Medal
329	Channon Price Beau Bellamy, Martin Harrington, & Stanley Edwin	University of Alaska Fairbanks	A	Bronze Medal
339	N. M. Ravindra Steve Susanibar, Jerry Martinez, & David Cunningham	New Jersey Institute of Technology	A	Bronze Medal
359	Dr. John Shaw Andrew Stroud, Josh Wilson, & Daniel Ballivian	Louisiana Tech University	A	Bronze Medal
360	Adele Poynor Samuel Knarr, Robert Pettit, & Samuel Finder	Allegheny College	A	Bronze Medal
362	Ronald Kumon Andrew Brinks, Jacob Crabill, & April Weber	Kettering University	A	Bronze Medal
369	David Olsgaard Jacob Johnson, Laura Collins, & Warren Drucker	Simpson College	A	Bronze Medal
303	Reem M. Altuwirqi Lujain Almarhabi & Maha saeed AlAmoudi	King Abdulaziz University	A	Accomplished Competitor
306	Charles Benesh Ashley Jackson & Rebecca Navarre	Wesleyan College	A	Accomplished Competitor
335	Grant R. Denn Eric Fisher, Renee Johnson, & Emmanuel Sequeira	Metropolitan State College of Denver	A	Accomplished Competitor
340	N. M. Ravindra Lucas Lamb & Adam Hubbi	New Jersey Institute of Technology	A	Accomplished Competitor
341	Dr. Linda Winkler Shouvik K. Bhattacharya, Murshid Saqlin, & Meredith McLinn	Minnesota State University Moorhead	A	Accomplished Competitor
345	Esmaeil Ebrahimi Behzad Bojnordi Arbab, Masood Valipour, & Saeed Izadshenas	Bahonar University of Kerman	A	Accomplished Competitor
363	Michael Allen Kyle Schademan, Gordon Stack, & Jesse Miller	Washington State University	A	Accomplished Competitor
366	José Silvério Edmundo Ge Cássio dos Santos Sousa, Márcio Araújo de Paiva Filho, & Felipe Vincent Yannik Romero Pereira	Instituto Tecnológico de Aeronáutica	A	Accomplished Competitor
373	David Branning Brandon Clary, Bhola Uprety, & Stefan Timiras	Trinity College	A	Accomplished Competitor
374	Channon Price Thomas Edwards & Hannah Brink	University of Alaska Fairbanks	A	Accomplished Competitor
380	Ben Bousquet Benjamin Rector, Justin Heine, & Pajtim Emerllahu	Wartburg College	A	Accomplished Competitor
381	Dr. Gildardo Rivas David Hernandez Sanchez, German Rodriguez Ortiz, & Karina De la Torre	Universidad Autonoma de Ciudad Juarez	A	Accomplished Competitor

382	Adele Poynor Marla Sacks, Bryan Chavez, & Michael Hajduk	Allegheny College	A	Accomplished Competitor
383	Laird Kramer Ariana Alvarez, Melissa Chiarella, & George Shaeffer	Florida International University	A	Accomplished Competitor

Problem B - Shooting a Basketball for Three Points

Team #	Advisor	Institution	Problem	Rank
379	Yevgeniya V. Zastavker Rebecca Schutzensgel, Patrick Varin, & Brendan Quinlivan	F. W. Olin College of Engineering	B	Gold Medal
308	Paul Kwiat Cory Alford, Guannan Liu, & Scott Huber	University of Illinois: Urbana-Champaign	B	Silver Medal
309	Jong Anly Tan Erwin Handoko Tanin, Limiardi Eka Sancerio, & Albert Datui	STKIP SURYA	B	Silver Medal
310	Prof. Dr. Herbert Loehner Arjan Boerma, Job Feldbrugge, & Remko Klein	University of Groningen	B	Silver Medal
313	Witold Skiba Po-Yi Ho, Steven Zwick, & Pearson Miller	Yale University	B	Silver Medal
318	Chang Sheh Lit Wong Songhan, Kwong Chang Jian, & Law Yun Zhi	National University of Singapore	B	Silver Medal
319	Chang Sheh Lit Ng Kia Boon, Kwang Siu Yi, & Shawn Tang Wenjie	National University of Singapore	B	Silver Medal
344	Sihui Wang Mingren Shen, Hongyu Zhu, & Xu Chen	Nanjing University	B	Silver Medal
351	Prof. Henry Greenside Joshua Loyal, Peter Zhu, & Zongjin Qian	Duke University	B	Silver Medal
357	Sihui Wang Chang Liu, Ziwen Liu, & Yaxiong Liu	Nanjing University	B	Silver Medal
307	Alexander Maloney Alex Cowan, Bohdan Kulchytskyy, & Alex May	McGill University	B	Bronze Medal
311	Andreas Dewanto Guan Yilun Aaron, Lin Mao, & Nguyen Duy Quang	National University of Singapore	B	Bronze Medal
322	Christopher King Leo Byun & Mathew Chamberlain	Northeastern University	B	Bronze Medal
328	Keith Bonin Claire McLellan, Soham Banerjee, & Daniel Gallagher	Wake Forest University	B	Bronze Medal
331	Dr. Scott Schneider Levente Dojcsak, Jamie Maclennan, & Kristen Dage	Lawrence Technological University	B	Bronze Medal
342	Catherine Mader Caitlin Taylor, Matthew Eiles, & Andrew McCubbin	Hope College	B	Bronze Medal
349	Professor George Gollin Suerfu, Brian Wang, & Christopher Lam	University of Illinois at Urbana-Champaign	B	Bronze Medal
350	Steven Shapiro Nolan Dwyer, Kiel Williams, & Emma Taylor	Guilford College	B	Bronze Medal
353	Costas Efthimiou Will Richardson, Adam Wearne, & Jonathan Lee	University of Central Florida	B	Bronze Medal
356	Costas Efthimiou Candy Reid, Miller Hederi, & Angel Mancebo	University of Central Florida	B	Bronze Medal
368	Marco Pallavicini Alessandro Georgoudis, Alessio Calzona, & Giovanni Balduzzi	Università degli Studi di Genova	B	Bronze Medal
371	Jeremy Dodd Matei Ionita, Nilay Kumar, & Yifei Zhao	Columbia University	B	Bronze Medal
376	Sylvio May Ahis Shrestha, Marne Johnson, & Brandon Johnson	North Dakota State University	B	Bronze Medal
302	Reem Altwuirqi Deema Basodan	King Abdul Aziz University	B	Accomplished Competitor
312	Professor Naomi Makins Bryce Fore, Meredith Staub, & William Alexander	University of Illinois at Urbana-Champaign	B	Accomplished Competitor
314	Professor Mats Selen Lingyi Kong, Richard Schonberg, & Aswin Sivaraman	University of Illinois at Urbana-Champaign	B	Accomplished Competitor

315	Dr. Michael Nolan Matt Lewis, David Pede, & John Timlin	Millersville University	B	Accomplished Competitor
317	Dezso Varga Milan Janosov, Istvan Kaposvari, & Mihaly Furedi	Eotvos Lorand University	B	Accomplished Competitor
320	Chang Sheh Lit Wu Zhen Zhou, Liew Ji Shen, & Tan Da Yang	National University of Singapore	B	Accomplished Competitor
321	Prof. Henry Greenside Farzan Beroz, Shreyan Sen, & Spencer Lewis	Duke University	B	Accomplished Competitor
324	Haijun Wang Jing Guo, Zhaochen Duan, & Chang Liu	Jilin University	B	Accomplished Competitor
325	Winston Roberts Anthony Hazel, Zach McDargh, & Luis Barrera	Florida State University	B	Accomplished Competitor
327	Roy Clarke Zeyin Zhang & Xingsi Zhang	University of Michigan	B	Accomplished Competitor
330	Simon Salamon Bruno Loureiro	King's College London	B	Accomplished Competitor
332	Jorge Ballester Dustin Burgardt, Jianlei Chen, & Andrew Wayman	Emporia State University	B	Accomplished Competitor
338	Dr Carolin Crawford Tudor Cristea-Platon	University of Cambridge	B	Accomplished Competitor
346	Chang Sheh Lit Tan Hong Qi, Lee Kang Hao, & Seah Yi-lin	National University of Singapore	B	Accomplished Competitor
347	Dr. John Shaw Nishan Khatri, Anil Thapa, & Nishi Mehta	Louisiana Tech University	B	Accomplished Competitor
348	Dr. John Shaw John Trischler, Michael Pruden, & John Coody	Louisiana Tech University	B	Accomplished Competitor
354	Costas Efthimiou Kevin Bertrand, Tommy Lee, & Joseph Kaile	University of Central Florida	B	Accomplished Competitor
355	Costas Efthimiou Jonathan Tillett, Alex Greutman, & Cameron Glasscock	University of Central Florida	B	Accomplished Competitor
358	Ying-Hui Kuang Li-Gong Han, Qi Liu, & Yang Liu	Southeast University	B	Accomplished Competitor
365	Richard Robinett Qishun Tang, Zhiyan Wang, & Songjie Xue	Penn State	B	Accomplished Competitor
367	Marco Pallavicini Giovanni Filippi, Flavio Ronetti, & Roberto Manuzzo	Università degli Studi di Genova	B	Accomplished Competitor
372	David Branning Steve Petkovsek, Lorenzo Sewanan, & Adam Katcher	Trinity College	B	Accomplished Competitor
375	Frank Wolfs Theodore Lane, Jeffrey Vankerhove, & Alex Kurland	University of Rochester	B	Accomplished Competitor
377	Gildardo Rivas, PhD Miguel Angel Gonzalez, Efrain Mendez Cerda, & Lesly Selene Hernandez	Universidad Autonoma de Ciudad Juarez	B	Accomplished Competitor
385	Laird Kramer Christian Riviera & Steven Castillo	Florida International University	B	Accomplished Competitor
386	N M Ravindra Utkarsh Raj, Michael Williams, & Adam Feehan	New Jersey Institute of Technology	B	Accomplished Competitor