## Periodic Tabloid

Chemistry and Chemical Engineering Division at Caltech

Vol 4, No 3, Summer 2012

### Congratulations to the CCE grads of 2012!

Caltech's 118th annual commencement ceremony took place at 10 a.m. on Friday, June 15, at Beckman Mall. Elon Musk, founder and CEO of Space Exploration Technologies (SpaceX) and Tesla Motors and chairman of SolarCity, presented the keynote address. (Complete coverage is available at http://commencement.caltech.edu/)

### **Bachelor of Science**

Marissa Christina Barrientos Geoffrey Stephen Beck Jacqueline Chan Rebecca Pei-Ying Chen **Emmet Martin Cleary** Elizabeth Decolvenaere Samuel Scott Elder Clara Hoifung Eng Andrew Jonathan Gong Luis Francisco Guerra Thomas John Heavey IV Wilson C. Ho Anna Sergeevna Ivanova Mythili Kasturi Iyer Arvind Kannan Daniil Andreevich Kitchaev

Theodore Konstantinos Koenig Hanna Rachela Kuberczyk Nadia Chantal Lara Nicole Ann Levac Christopher Li Harold Bert Martin Shannon Rose Mohler Nathan David Morison Eva Megan Nichols Amy Celeste Proctor Keshav Sunil Sapatnekar Juying Shang Jade Shi Natnaree Siriwon Alexandra Souverneva Vincentius Jeremy Suhardi Sylvia Camille Sullivan Jessica Gabrielle Swallow

Jordan Corinne Theriot Margaret Jing Yi Tse Marissa Liana Weichman Jacqueline Tingxue Wu Larissa Jennie Yee Qinren Zhen Xida Zheng



Christopher Teng Balmaseda Alicia Chang Matthew Mitchell Coggon Maria-Eleni Dimotsantou Brandon Nicholas Dotson Amy Fu Joshua Thomas Green Meisam Hajimorad Boram Daniel Hong Dennis Lok Ko Erin Christine Lamb Kenneth James Lotito Schetema Antuanette Nealy Paul Peter Pirogovsky Russell Eugene Roberson Charles Gregor Slominski Vincentius Jeremy Suhardi Kai Pui Yuet

#### Doctor of Philosophy

Angela Patricia Blum Mu-Jeng Cheng Jelena Culic-Viskota Andrew Joseph Downard Alec Charles Durrell Kate Elizabeth Galloway Jason M. Gamba Wendy Mercer Geil Christopher Dennis Gilmore

Sean M. A. Kedrowski Gregory Michael Kimball Russell Scott Komor Jean Li Joe Chih Yao Liang David Alexander Long Andrew Richard Metcalf John Tuan Ngo Paul Frederick Oblad Leslie Esther O'Leary Eric Daniel Olmon Nyssa Leigh Puskar Philip A. Romero Hang Song Pamela Alisa Sontz Matthew Kiran Sprague Pamela Michele Tadross Avumi Takaoka Douglas Weng Wah Tham Patrick Lauren Theofanis Renee Michelle Thomas Ian Albert Tonks Ryan Matthew Turner **Edward Charles Weintrob** Jen-Kan Yu Zhaoyan Zhu Jonathan Eric Zuckerman







# Congratulations to CCE students who received awards in 2012

The 2012 Herbert Newby McCov Award Seminar took place on Thursday, June 14<sup>th</sup>, at the Sturdivant Lecture Hall (153 Noyes). This cash award is made annually to a graduate student in chemistry to acknowledge an "outstanding contribution to the science of chemistry." The awardee is chosen by a faculty committee, based on solicited nominating packages, and the award-winning research is presented in a formal divisional seminar given by the awardee. The McCoy award was established in 1965 as a result of a bequest of Mrs. Ethel Terry McCoy to honor her husband, who did pioneering work in the chemistry of rare earths and was associated with Caltech through collaboration with chemists Linus Pauling and Howard Lucas.

This year's McCoy awardees were Pamela Sontz and Ayumi Takaoka. Pamela spoke of her research to CCE faculty, students, staff, and to visiting family and friends, and Ayumi participated via Skype from Japan. The seminar was followed by a reception at the new Schlinger building courtyard.

Undergraduate prizes included the Richard P. Schuster Award, received by Eva Megan Nichols, the Renuka Sharma Award, received by Chris Kim, and the Merck Index Award, received by Wilson Ho.



## Congratulations to CCE faculty who continue to honor the Division with news of their awards

**Dr. Theodor Agapie**, Assistant Professor of Chemistry, has received the 2013 American Chemical Society (ACS) Award in Pure Chemistry which "recognizes and encourages fundamental research in pure chemistry carried out in North America

by young men and women."

**Dr. John F. Brady**, Chevron Professor of Chemical Engineering, has received the 2012 American Physical Society (APS) Fluid Dynamics Prize "For his seminal contributions to the rheology of complex fluids, for creating the Stokesian Dynamics technique for predicting the macroscopic properties of concentrated supensions

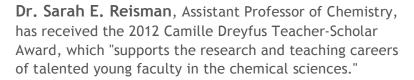
under shear, and for his services to Fluid Dynamics as Associate Editor and Editor,

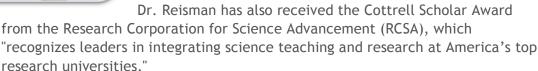
respectively, of two top journals."





**Dr. Thomas F. Miller**, Assistant Professor of Chemistry, has received the Associated Students of the California Institute of Technology (ASCIT) Teaching Award, which acknowledges individuals who demonstrate a commitment to furthering education.

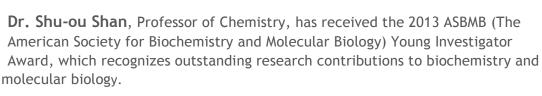






The most recent announcement is that Dr. Reisman has received the 2013 American Chemical Society (ACS) Arthur

C. Cope Scholar Award, which "recognizes outstanding achievement in the field of organic chemistry."







### CCE faculty show their appreciation to the staff in a picnic

Dr. Jackie Barton, CCE Division Chair and Judy Stanton, Division Administrator, invited the staff to attend the annual CCE Staff Appreciation Picnic, which Jackie described as an opportunity for the faculty to come together to acknowledge the staff's many contributions in making our Division great. This event took place at noon on Wednesday, May 30, 2012. CCE faculty and staff enjoyed barbecue, soft drinks, ice cream, games, and a magic show in Tournament Park.





### Professor Agapie welcomes his first baby

Robert Tudor Agapie was born to Theodor Agapie, Assistant Professor of Chemistry, and his wife Smaranda. The baby boy was born on Monday, May 14, 2012 at 9:14 am. He was 8 lbs 9 oz and 21.5 inches long. Robert is their first baby.

### New staff members join CCE

Elizabeth Callihan joined the Division's administrative team as Business Operations Manager effective July 1. Liz was formerly the Grant Manager/Financial Analyst for JCAP. Prior to joining JCAP Liz held Grant Manager and Project Director positions at Chaffey College, and Business Manager and Public Relations Manager positions at Children's Hospital Los Angeles and Catholic Healthcare West.





Rosine Sarafian joined the CCE Fiscal office as their newest grant manager. Rosine comes to Caltech from USC where she held the position of Senior Department Manager, Department of Biochemistry and Molecular Biology. She is well qualified and versed in the various responsibilities of grants management. Rosine will be a great addition to the team of grant managers in the Division.

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