



Hi Everyone,

Welcome to summer. Are you teaching summer classes or that uniquely-Mines invention, field session? Are you getting that CAREER proposal ready? Maybe revising a manuscript or doing field work and experiments?

For me, it is the time of one of my major professional meetings, the American Control Conference. This year it will be held in the Windy City and I will present a paper. I'll also find my way to the ASEE Annual Conference in Seattle. Whatever you do in the summer -- whether teaching, writing, or (perish the thought) enjoying some quality R&R with family and friends -- I hope it is a time of renewal and a chance to reflect and make plans for the future.

Speaking of the future, you may have seen the [exciting news](#) that Paul Johnson, Dean of Engineering at Arizona State, has been named the new President of the Colorado School of Mines! As most of you know, I was a member of the search committee and I can tell you that the committee was unanimous in their enthusiasm about Paul's candidacy. I have known Paul about three years, including working directly with him organizing the 2014 ASEE Engineering Dean's Institute. Paul is in many ways an engineer's engineer - a thoughtful educator, successful researcher, energetic outdoor enthusiast, and really nice guy who both cares about people and has high academic standards.

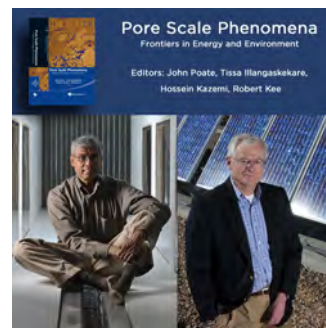
I look forward to a great future at Mines with Paul at the helm.

Best,

Kevin

## Faculty News

- [Stephanie Claussen \(EE\) was featured in Science Magazine's article on careers in STEM.](#)
- ["5 Things You Didn't Know About CEE Assistant Professor Kathleen Smits."](#)
- [Aaron Stebner \(ME\) published "In Situ Neutron Diffraction Studies of Large Monotonic Deformations of Superelastic Nitinol" in the first issue of the journal, \*Shape Memory and Superelasticity\*.](#)
- [Hao Zhang and his team IntBot were selected to compete in the Amazon Pick Challenge in Seattle.](#)



- [Tissa Illangaskekare \(CEE\) and Robert Kee \(ME\) are two of the four editors of a Mines multidisciplinary book on pore scale phenomena.](#)

## Departmental News & Highlights



### Applied Mathematics and Statistics

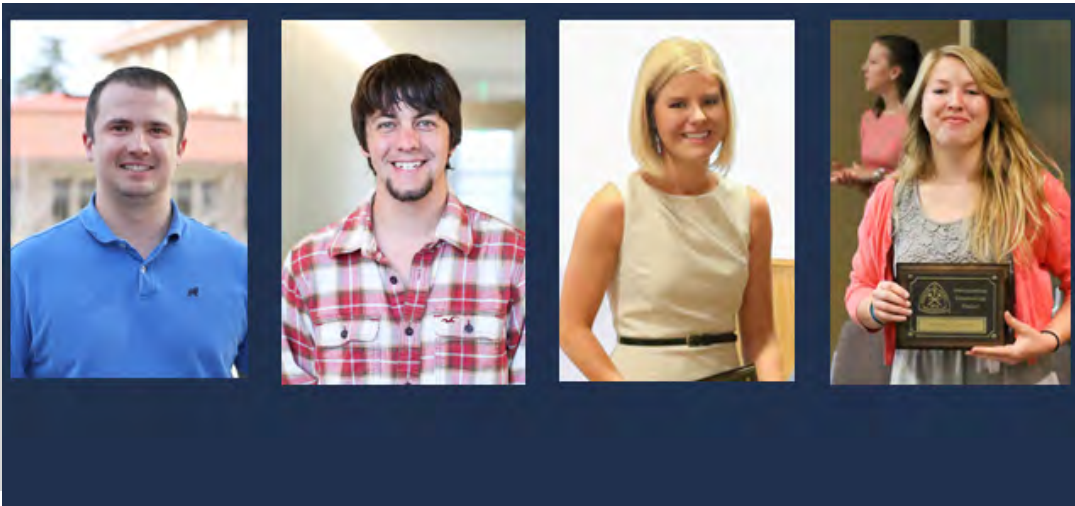
- The 2015 AMS Outstanding Graduate Teaching Award went to Brian Zaharatos (photo: above far left).

- The Spring 2015 AMS Outstanding Senior in Computational & Applied Mathematics went to Eric Jones (photo: above center).
- The Spring 2015 AMS Outstanding Senior in Statistics went to Carson Kent (photo: above far right).
- Math Learning Center joined CASA Tutoring in Arthur Lakes Library.
- Over \$126,000 has been secured in Tech fee funding to replace the computers in the Ryan Sayers Lab (CH126) and the Graduate Student Computer Lounge (CH 275).
- Seniors in the [Statistics Practicum](#), taught by Mandy Hering (AMS), competed in High Frequency Trading Forecasting, sponsored by MWD Trading. The winning team members were Sean Ericson, Sean Lopp, and Qing Shi.



- Sarah Verros and Sean Lopp were the Spring 2015 recipients of the Everett Award in Applied Mathematics and Statistics. The award was established in 1942 to honor the memory of Professor James R. Everett. Recipients must demonstrate scholarship, leadership, and community service.

**Civil and Environmental Engineering**



- The 2015 CH2M Hill / CEE Graduate Student Awards recipients were Bryan Coday (above: far left) and Andrew Trautz (above: mid left).
- Nicole Neal received the Spring 2015 Environmental Engineering Outstanding Senior Award (above: mid right).
- Nikol Hall received the Spring 2015 Civil Engineering Outstanding Senior Award (above: far right).



Despite rain and rattlesnakes, Civil Engineering students accomplished their field session at Mines Park. Check out the [CECS gallery](#) of their work.



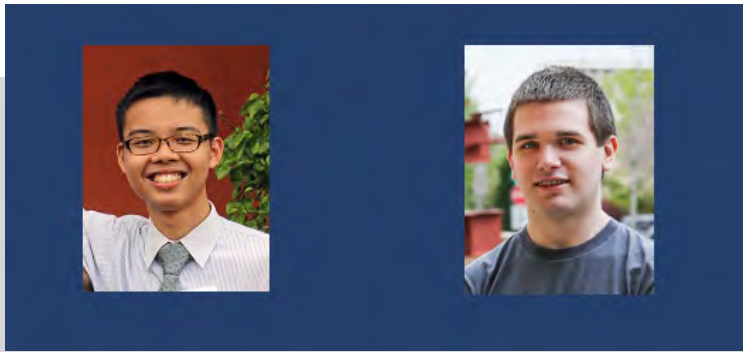
Environmental Engineering field sessions included mining remediation and hydrology work in Idaho Springs. Students measured water quality parameters (chemical, physical and biological) for their client, the Clear Creek Watershed Foundation. You can check out their work in the field as well as the recommendations from their presentations in our [online gallery](#).

Students also worked with Dr. Tzahi Cath and the Advanced Water Technology Center, testing and treating local water samples, as seen [here](#).

**Electrical Engineering and Computer Science**



- Nathaniel Lane received the Spring 2015 Outstanding Senior Award for Computer Science (photo: above left).
- Johnny Nguyen received the Spring 2015 Outstanding Senior Award for Electrical Engineering (photo: above center).
- Farshad Harirchi received the Outstanding Graduate Research Award for Electrical Engineering (photo: above right).
- Pirooz Javanbakht received the Outstanding Graduate Research Award in Electrical Engineering (not pictured).
- Marc Rubin received the Outstanding Graduate Research Award for Computer Science.
- Dr. Dejun Yang received the EECS Junior Faculty Award.
- Dr. Salman Mohagheghi received the EECS Teaching Award.



- Nhan Tran (photo: above left) has been recognized as one of the top 15 IT students across the U.S. and invited to participate in the ConocoPhillips 2015 Information Technology Student Leader Forum.
- Daniel Mawhirter (photo: above right), Computer Science student, was part of the First Place team at the recent ConocoPhillips Innovation Challenge, as well as a member of the winning pair challenge.

### Mechanical Engineering



- Carley Conley was the recipient of the Spring 2015 Outstanding Senior Award in Mechanical Engineering. She is pictured here with Greg Jackson, head of the department.
- Christopher Wendel (photo above) and John Steuben were the recipients of the Outstanding Dissertation Awards in Mechanical Engineering.
- [Students in MEGN 540 Mechatronics course built their own haptic paddles this semester.](#)
- Mines “Wind Miners” won Most Creative at the NREL Collegiate Wind Competition and were the only team to achieve their cut-in target.

- [Mechanical Engineering student Sean McGinley was selected to be part of the inaugural class of Mount Vernon Leadership Fellows.](#)
- Check out the final projects completed in [MEGN 200's Wind Station Competition](#), as well as [MEGN 498A/598C's 3D printing projects](#), and [MEGN 498's entries for the CASMART design challenge](#).



The Center for Biomechanics and Rehabilitation Research co-hosted an all-ages running and mobility clinic for amputees, along with Hanger Clinic and Freedom Innovations. [Learn more about the clinic, as well as the ME alumnae who came from out of state to support the effort.](#)



## More News & Events



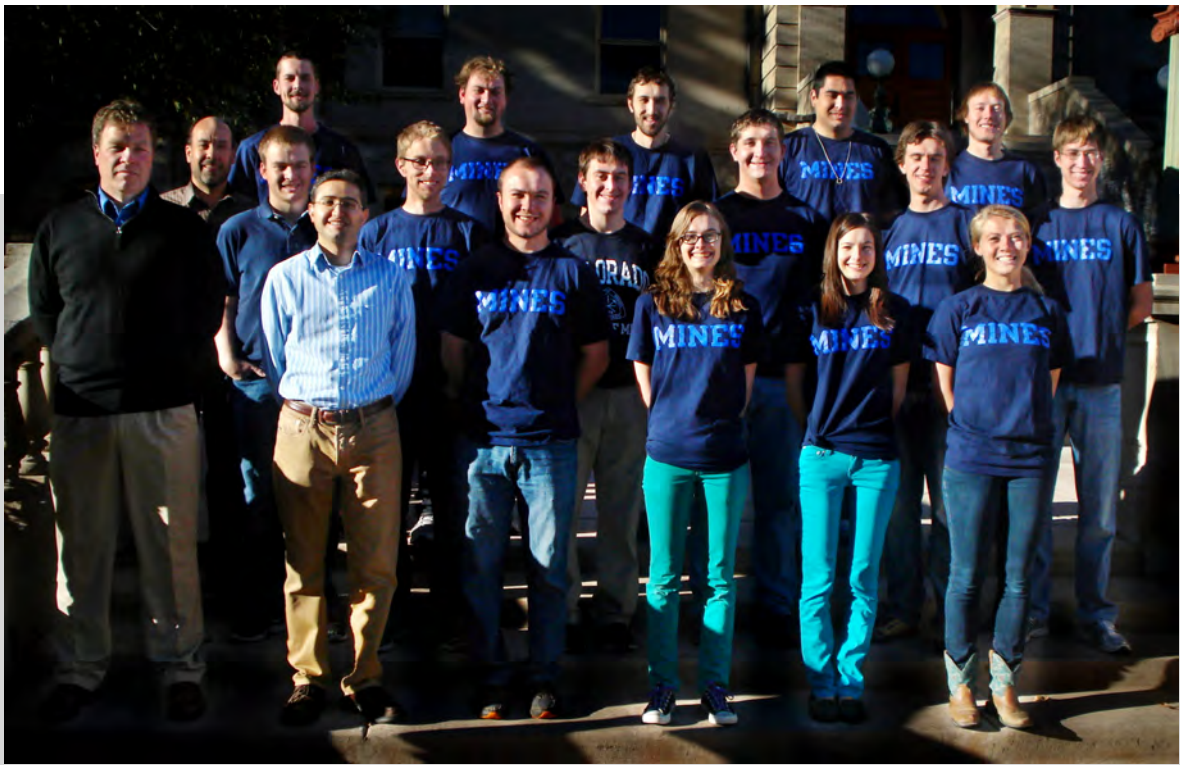
273 bachelor's degrees, 75 master's degrees, and 21 doctorates were awarded this spring to students in the College of Engineering and Computational Sciences.

[-Student Life presented awards to four CECS undergraduates.](#) Mechanical Engineering student Kailtyn Martin and Environmental Engineering student Bethany Klinkerman received the Colorado Engineering Council Award for excellence in scholarship, high integrity, and general engineering ability. The William D. Waltman Award is given to two seniors whose conduct and scholarship are "most near perfect;" this year both recipients were seniors from the Department of Applied Mathematics and Statistics, Eric Jones and Abby Branch.

- [Laine Greaves-Smith, a student in mechanical engineering and electrical engineering, was featured for the furniture and art he creates out of recycled material in the CECS garage.](#)
- CEE will be hosting [A Retirement Symposium for Dr. Norman R. Pace](#) on June 4-5, 2015 in Coolbaugh Hall. Dr. Pace is retiring from the Department of Molecular, Cellular and Developmental Biology at the University of Colorado, Boulder. The symposium is free and open to the public with generous support provided by the Alfred P. Sloan Foundation and the Agouron Institute.



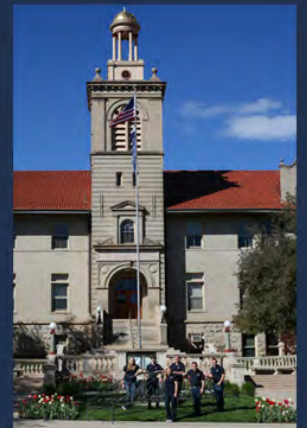
Humanitarian Engineering hosted the [Shultz Summit](#) this month. The workshop brought together corporate representatives, academics, and NGOs to discuss how to train undergraduates to integrate corporate social responsibility into their future work as engineers.



- Mines Blasterbotica participated in NASA's Robotic Mining Competition at the Kennedy Space Center. They won 2nd place in the presentation and demonstration category. Their faculty advisors are Professors Ozkan Celik and Christopher Dreyer.



**Congratulations  
to the Mines  
ASCE Student Chapter  
on its Commendation  
from the  
American Society of Civil Engineers  
as an Outstanding Student Chapter  
in 2014-2015**



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If you are a faculty member using social media to share your work, CECS would love to be following and promoting you on our networks. Tag us in your post via: @MinesCECS.

Many have asked how to download images from our college events. It's easy—just go to our [Flickr page](#), choose your event's album, and download any image in full resolution.

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A pdf version of the current and previous CECS newsletters can be found at <http://cecs.mines.edu/CECS-News>

Please send content for the next CECS newsletter to [Deirdre Keating](#).

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