February 2019

Student Highlights

Science Council

The Science Council is an umbrella organization that oversees student clubs within the College of Science. They promote club events, participate in community service events, and collaborate with other councils on campus.

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Math Student Esteban Escobar Acknowledged for Outstanding Poster at the 2019 Joint Mathematics Meetings

The poster was titled: **Detection of Atrial Fibrillation in Electrocardiograms via Persistent Homology-based Features**

Escobar's advisor was David Uminsky, University of San Francisco.

Science Week

Over 20 science clubs hosted exhibits at the Science Carnival on February 7. The Carnival was the culmination of Science Week.

One of the goals of Science Week is to show how fun science can be and it includes activities like tie-dying shirts and making ice cream with dry ice.

The picture shows visitors to the SheCodes club's table playing music on a piano made from bananas.

Professor Jennifer Switkes Helps Students Discover the Beauty of Math

Mathematics Professor Jennifer Switkes received the Deborah and Franklin Tepper Haimo Award for Distinguished College or University Teaching of Mathematics from the Mathematical Association of America (MAA).

The award was presented in January in Baltimore at the joint meeting of the MAA and the American Mathematical Society, the largest mathematics meeting in the world.

Read More

New Publications

If you have a recent publication that is not included, please let us know so that it can be listed in next month's newsletter! email: djgriggs@cpp.edu

1. Zellmer AJ, **Claisse JT, Williams CM**, Schw ab S, Pondella DJ (2019) Predicting Optimal Sites for Ecosystem Restoration Using Stacked-Species Distribution Modeling. Frontiers in Marine Science 6 doi 10.3389/fmars.2019.00003

2. Fitch, R. L., Questad, E. J., & Bobich, E. G. (2018). Soil resource availability and its effect on the ecophysiology and establishment of Stipa pulchra. *Journal of Plant Ecology*. doi:10.1093/jpe/rty055

3. Hummel, E. D., & **Stieber, S. C.** (2019). Student-led Computational Inorganic Chemistry Research in a Classroom Setting. *The Journal of Computational Science Education, 10*(1), 12-15. doi:10.22369/issn.2153-4136/10/1/2

4. Kundu, S., **Phu, P. N.**, Ghosh, P., Kozimor, S. A., Bertke, J. A., **Stieber, S. C.**, & Warren, T. H. (2019). Nitrosyl Linkage Isomers: NO Coupling to N2O at a Mononuclear Site. *Journal of the American Chemical Society, 141*(4), 1415-1419. doi:10.1021/jacs.8b09769

5. Sadaghiani, H. R., Passante, G., & Pollock, S. J. (2019). Student sense-making and interpretation of quantum mechanical expectation values. *2018 Physics Education Research Conference Proceedings*. doi:10.1119/perc.2018.pr.sadaghiani

6. Pollock, S. J., **Sadaghiani, H. R.**, Quaal, A., & Passante, G. (2019). Designing, validating, and contrasting closely related conceptual quantum mechanics questions for spin states and spatial w avefunctions. *2018 Physics Education Research Conference Proceedings*. doi:10.1119/perc.2018.pr.pollock

7. Passante, G., **Sadaghiani, H. R.**, Pollock, S. J., & **Schermerhorn, B. P.** (2019). Students choices w hen solving expectation value problems. *2018 Physics Education Research Conference Proceedings*. doi:10.1119/perc.2018.pr.passante

Upcoming Events

March 1: Student Research, Scholarship & Creative Activities Conference (RSCA)

March 5: Donuts with the Dean - 9:30-10:30 a.m. courtyard between buildings 3 & 8
Science students are invited to have a donut with Dean Baski.

March 6: Science on Tap - 7:00-8:30 p.m. at Innovation Brew Works
What comes next? Restoring Southern California's ecosystem after the wildfires
Erin Questad, Associate Professor of Biological Sciences

March 7: Provost's Awards for Excellence and George P. Hart Award Symposium
Alexander Rudolph, Department of Physics and Astronomy, will receive the Provost's Award for Excellence in Teaching. Chemistry and Biochemistry Department Chair Lisa Alex will receive the George P. Hart Award for Outstanding Faculty Leadership.

March 7: Spring Career Fair

March 30 - April 5: Spring Break

April 10: Science on Tap - 7:00-8:30 p.m. at Innovation Brew Works
Superhuman Gamers — can we *truly* challenge AI through gaming?
Adam Summerville, Assistant Professor of Computer Science

April 24: Giving Day

April 26: Research Symposium - College of Science
Deadline to submit posters is April 12.

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College of Science Advising Center

IMPORTANT UPCOMING DATES

Feb. 5-18: Students may withdraw & receive a "W" but may petition for "WX."
Feb. 15: Summer registration holds placed.
Feb. 19: First day to withdraw by petition for serious & compelling reasons.
Mar. 4-5: Priority registration for Summer 2019.
Mar. 6 - Apr. 24: General registration for Summer 2019.

College of Science Advising Center

Make the Advising Center your first stop for any of your academic needs! Drop by our office in Building 3, Room 1645 today to get your questions answered!

Feel free to call 909-979-5654 or email sci_advising@cpp.edu

Mar. 15: Last day to apply for current spring graduation / early commencement.

DISCOVERY
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