
CEO message: CEO updates, July 1

1 message

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**CEO Updates, July 1, 2016**

Spotlight

What's up with CEO? As is our tradition, CEO is "on hiatus" during the summer semester, even though there's lots going on in the education and outreach community. Many CEO members run summer programs on campus and off. For these individuals, the summer months are the busiest time of the year. For others whose duties are intertwined with the academic cycle, summer may be the *only* time of year to manage a few weeks of vacation and/or time for undisturbed planning/preparation for the fall. CEO will usher in the "new year" with a social in early September. Monthly meetings will begin on Tuesday, October 11 in our usual meeting location, 202 Doe. Stay tuned for updates here and on the [CEO Website](#)...

Opportunities

AAAS Award for Public Engagement with Science–Nomination deadline: 8/15/16. AAAS recognizes scientists and engineers who make outstanding contributions to the "popularization of science." Eligible individuals include active or retired scientists and engineers from all disciplines, including social and behavioral sciences, who have contributed substantially to the public's engagement with science or technology. [More-->](#)

Resources

NSF data update–Last month NSF released updates to its data on women, minorities, and persons with disabilities in science and engineering (S&E). This data provides the latest information about the participation of these groups in S&E higher education and employment, and includes new statistics on U.S. demographics; freshman intentions to major in S&E fields; enrollment status and primary source of support for S&E graduate students; and S&E doctorate recipients, by field, sex, race or ethnicity, disability status, primary source of support, baccalaureate origin, and postgraduate plans. [More-->](#)

Design attributes for engaging girls in STEM exhibits–The Exhibit Designs for Girls' Engagement

(EDGE) project is a three-year Exploratorium-run NSF-funded research study that aims to identify the most important design attributes for engaging girls at STEM exhibits. The study identified nearly 100 exhibit design attributes that had the potential for better engaging girls. [More-->](#)

Opportunities

AAAS award for public engagement with science—[Deadline: 8/15/16](#). This award recognizes scientists and engineers who, while working in their fields, have also contributed substantially to the public's engagement with science or technology. Types of activities to be considered include books, magazines, and newspaper articles; broadcasting; lecturing; museum presentation and exhibit design; and other public outreach activities, local, national, and/or international. Eligible individuals include active or retired scientists and engineers from all disciplines, including social and behavioral sciences and biomedical fields. [More-->](#)

New research on technology and underserved students

Here are some promising research findings about the conditions and practices that support positive outcomes of technology use and digital learning experiences for underserved students.

Promising Practices: A Literature Review Of Technology Use By Underserved Students, Molly B. Zieleski, Linda Darling-Hammond, Stanford Center for Opportunity Policy in Education (SCOPE), June 2016.

Using Technology to Support At-Risk Students' Learning, Linda Darling-Hammond, Molly B. Zieleski, Shelley Goldman, Stanford Center for Opportunity Policy in Education (SCOPE), September 2014.

Encouraging Online Contributions In Underrepresented Populations, Denise C. Nacu, Caitlin K. Martin, Jim Sandherr, Nichole Pinkard, Research in Equity and Sustained Participation in Engineering, Computing, and Technology, 2015.

Employing Narratives To Trigger Interest In Computational Activities With Inner-city Girls, Sheena Erete, Nichole Pinkard, Caitlin K. Martin, Jim Sandherr, Research in Equity and Sustained Participation in Engineering, Computing, and Technology, 2015.

News & views

Affirmative action wins a major victory in the Supreme Court—In a 4-3 decision written by Justice Anthony M. Kennedy, the Supreme Court has ruled that the race-conscious admissions program used by the University of Texas-Austin was lawful under the Equal Protection Clause. Justice Kennedy wrote that a university ought to be able to decide what "intangible qualities" it needs, adding, "Considerable deference is owed to a university in defining those intangible characteristics, like student body diversity, that are central to its identity and educational mission." [More-->](#)

How one UCB professor is trying to paint a richer portrait of effective teaching—Are student evaluations of their professors biased? **Philip B. Stark**, UC Berkeley associate dean of the division of mathematical and physical sciences, says student evaluation surveys should be taken with a grain of salt. In a recent study examining student evaluations in online courses, Stark found that students regularly gave higher ratings to professors whom they thought were male, even though professors and students never met in person. Stark's study also found that survey scores don't relate to how much students have learned. He's spearheading an effort among his peers to rely on those evaluations less, and to use other methods instead. [More-->](#)

Three promising practices that prepare youth for the workforce—Placing low-income youth on a path to college and career success requires more than just "upskilling." It takes additional approaches that get little attention but make a profound difference. [More-->](#)

As the number of homeless students soars, how can schools serve them better—"More than 1 million public school students in the United States have no room to call their own, no desk to do their

homework, no bed to rely on at night," writes NPR in its summary of a new report on student homelessness by Civic Enterprises. As the number of homeless students has doubled in the past decade, the challenges of identifying and supporting students with insecure housing persist. [More-->](#)

CEO Updates is the newsletter of the [Coalition for Education Outreach](#) (CEO), an informal working group of organizations, departments, and individuals on the UC Berkeley campus and in the community engaged in STEM education and outreach (E&O). Our mission is to further professional development, facilitate best practices, and encourage information exchange. [Kate Spohr](#) and [Dan Zevin](#), CEO co-chairs, welcome your questions, comments, and ideas. [More-->](#)

Acronym translator: *E&O (education and outreach); STEM (Science, Technology, Engineering, Mathematics); STEAM (STEM + Art); NGSS (Next Generation Science Standards); NSF (National Science Foundation); NIH (National Institutes of Health); K-12 (kindergarten through 12th grade).*

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