NATIONAL ACADEMIES *Sciences Engineering Medicine*

AGENDA

Committee on Pathways to Doctoral Degrees in Computing

Meeting 2
February 28, 2023
Virtual
https://vimeo.com/event/2915664

MEETING OBJECTIVES

- Conduct committee formation and member orientation to include the National Academies organization, procedures, and expectations of NASEM study committees
- Discuss available data sources for analysis of trends related to the study topic
- Review topics and speakers for remaining meetings

Tuesday, February 28, 2023

OPEN SESSION

6:00 pm   Survey of Earned Graduates Overview
National Science Foundation
→ Jeffrey Forbes, Program Director, Computer and Information Science & Engineering, National Science Foundation

6:30 pm   FACE Project Overview (NSOPF Survey Update)
Pullias Center for Higher Education
→ KC Culver, Co-PI for FACE Project, Assistant Professor, College of Education, University of Alabama

7:00 pm   Taulbee Survey and Data Buddies Project Overview
Computing Research Association
→ Tracy Camp, Executive Director, Computing Research Association

CLOSED SESSION

7:30 pm   Closed Session Begins

8:00 pm   Adjourn Meeting

SPEAKER BIOGRAPHIES

Jeff Forbes is the lead Program Director for the Education & Workforce program in the National Science Foundation's Directorate for Computer & Information Science & Engineering, managing programs that address the critical and complex issues of education and broadening participation in computing. He is currently the Director of Research & Policy for the Constellations Center for Equity in Computing at Georgia Tech. From 2001-2019, Jeff was on the faculty of Duke University where he was an Associate Professor of the Practice of Computer Science. He received his BS and PhD in computer science from Stanford University and the University of California, Berkeley, respectively. His research interests include computer science education, social information processing, and learning analytics.

KC Culver is an Assistant Professor at the University of Alabama and co-PI on the Faculty, Academic Careers, and Environments (FACE) Project. KC spent three years as a senior postdoctoral scholar at Pullias, working on the PASS project and the Delphi Project. She earned her PhD from the University of Iowa, where she was a Presidential Graduate Research Fellow affiliated with the Center for Research on Higher Education. Prior to her doctoral studies, she taught undergraduate courses in rhetoric and writing for more than a decade. KC's research focuses on policies and practices related to faculty, curriculum, and learning environments. She employs quantitative, qualitative, and mixed methods to study the impact of educational policy and practice on the development and success of diverse students. Her work appears in *Higher Education*, *Research in Higher Education*, and *Academic Leader*, among other publications. She also serves as Associate Editor for *Change: The Magazine of Higher Learning.*

Tracy Camp is the CRA Executive Director. Camp joins CRA from Colorado School of Mines, where she was a member of the faculty since 1998, and department head of Computer Science at Mines since 2016. Camp's research interests are in wireless networking. She is most known for improving the credibility of wireless networking simulation studies. More than 4,000 researchers in 88 countries/regions have downloaded at least one of the 12 software packages developed by her research group (as of June 2021) and her research articles have been cited 14,794 times (per Google Scholar, as of June 2021). Camp has received over 20 grants from the National Science Foundation, including a prestigious CAREER award. In total, her projects have received over $25 million dollars in external funding. Camp is both an ACM Fellow and an IEEE Fellow. She was a Fulbright Scholar in New Zealand in 2006, a Distinguished Visitor at the University of Bonn, Germany, in 2010, and an ACM Distinguished Speaker from 2006 to 2015. She earned her B.A. in mathematics at Kalamazoo College, M.S. in computer science from Michigan State University, and Ph.D. in computer science from the College of William and Mary.