FY20 Annual Report – CCECC

Committee for Computing Education in Community Colleges

Members

- Cara Tang, Portland Community College, chair
- Cindy Tucker, Bluegrass Community and Technical College, vice-chair
- Christian Servin, El Paso Community College, member
- Markus Geissler, Cosumnes River College, member
- Melissa Stange, Lord Fairfax Community College, member

Overview

A standing committee of the ACM Education Board since 1991, the global mission of the CCECC is to serve and support community and technical college educators in all aspects of computing education. The CCECC engages in curriculum and assessment development, community building, as well as advocacy in service to this sector of higher education. For more see ccecc.acm.org/about.

Accomplishments

- **Cyber2yr2020** – curricular guidelines for Associate Degree programs in Cybersecurity
  - Completed final draft with endorsement from ACM Education Board, January 2020
  - Initial dissemination, mostly through online channels due to COVID
  - Winner of Innovations in Cybersecurity Education Award from the National CyberWatch Center
- **IT-Transfer2020** – curricular guidelines for IT Transfer programs based on IT2017
  - Completed final draft with endorsement from ACM Education Board, May 2020
- Contributions to **ACER committee** (Actionable Computing Enrollment and Retention data)
  - Analysis of data on Associate-level students in CS, IT, and Cybersecurity
- Cooperation with ABET in developing criteria for accrediting 2-year programs in Cybersecurity, based on Cyber2yr2020 guidelines, first reading criteria currently open for comment
- Continuing presence at various conferences to support and build community, get feedback, and disseminate publications (physical events limited this year due COVID, and compensated with more online presentations)
  - Presentations, community college receptions, booth, sponsorship, or other activity at various conferences including SIGITE, SICGSE, 3CS, CAE Community Symposium, ITICSE, NICE Working Group, National CyberWatch webinar
- Continuing outreach via our web site, educator mailing list, social media, YouTube channel
Future Plans

- Cyber2yr2020 – dissemination, program example collection, mappings to other frameworks
- IT Transfer2020 – dissemination, program example collection, mappings to other frameworks
- With ACER committee: Complete and publish report on enrollment and retention data
- Revise and update our Bloom’s verbs list, an important tool in associate degree curriculum guidelines, to facilitate formulation of computing-based competencies/learning outcomes
- Explore creation of ACM-CC, a group within ACM to support and engage community college educators and bring together all with an interest in computing education at community colleges
- Continue support of other ACM groups and projects with community college perspective, as appropriate (examples: Data Science task force, SIGCSE community college liaison)
- Continue presence at conferences and outreach via various channels
- Continue maintaining web site as a resource for educators, and educator mailing list

Submitted by Cara Tang, CCECC Chair, July 27, 2020