

# 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](http://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, SIGCSE, 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*