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

(Note that the Cyber2yr and IT Transfer curriculum projects mentioned below each have a larger task group, with members of the CCECC leading the projects.)

Summary

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.

Current Status

- **Cyber2yr (was CSEC2Y)** – curricular guidelines for Associate Degree programs in Cybersecurity
  - Project started April 2018
  - StrawDog draft released Feb 2019
  - IronDog draft released July 2019
  - Currently collecting feedback from IronDog and working on final draft
- Cooperation with ABET in developing criteria for accrediting 2-year programs in Cybersecurity, based on our Cyber2yr guidelines
- **IT Transfer** – curricular guidelines for IT transfer programs based on IT2017
  - Project started August 2018
  - Currently finalizing a draft to be presented at SIGITE, October 2019
- Continuing presence at various conferences to support and build community, get feedback, and disseminate publications
  - Community College receptions, breakfast, booth, sponsorship, or other activity at SIGITE, SigCSE, and 3CS
  - Presentations at conferences including SIGCSE, CCSC-SW, WASTC ICT Educators’ Conference, Virginia Cybersecurity Education Conference, ITiCSE
- Continuing outreach via our web site, educator mailing list, social media, YouTube channel
Future Plans

- **Cyber2yr** – curricular guidelines for Associate Degree programs in Cybersecurity
  - Expect a final draft to the ACM Ed Board by the end of 2019, with publication in 2020
  - Disseminate final guidelines in FY20-21 (SIGCSE, 3CS, mailing lists, etc.)
- Continue cooperation with ABET
- **IT Transfer** - curricular guidelines for IT transfer programs based on IT2017
  - Present draft guidelines at SIGITE, October 2019
  - Expect a final draft in FY20
  - Disseminate final guidelines in FY20-21 (SIGITE, 3CS, mailing lists, etc.)
- Continue support of other ACM groups and projects with community college perspective, as appropriate (ACM curricular projects such as Data Science – Christian Servin currently serving, ACM-W celebrations – Cindy Tucker currently helping, ACM Education Policy projects, etc.)
- Continue presence at conferences and outreach via various channels
- Continue maintaining web site as a resource for educators, and educator mailing list

Deliverables

- Final version of Cyber2yr curriculum guidelines – expected 2020
- Final version of IT Transfer guidelines – expected 2020
- Other publications, web site work, videos, social media posts, etc. in support of the community and curriculum work

Submitted by Cara Tang, CCECC Chair, August 7, 2019