FY19 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

(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
    - o Project started April 2018
    - o StrawDog draft released Feb 2019
    - o IronDog draft released July 2019
    - o 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
    - o Project started August 2018
    - o 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
    - o Community College receptions, breakfast, booth, sponsorship, or other activity at SIGITE, SIGCSE, and 3CS
    - o 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