

FY21 Annual Report – CCECC

Committee for Computing Education in Community Colleges

Members

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

- Paper at SIGITE 2020 on new **IT-Transfer2020** curricular guidelines for IT Transfer programs.
- Two presentations at SIGCSE 2021: BoF on community college topics in SIGCSE and ACM; poster on Bloom's verbs project
- Published a first draft of **Bloom's verbs for computing** and received feedback from a variety of constituents; working on a second draft for public review and comment.
- Kicked off **ACM2Y**, a membership group for those interested in computing education in two-year programs, by recruiting and forming a 10-member executive committee, chaired by Cara Tang, which is working on launching the group
- Contributions to **ACER committee** (Actionable Computing Enrollment and Retention data)
 - Published paper in Inroads on retention data including associate program data
 - Draft of second paper on unretained students
- Contributions to **NDC study**: work to include data on associate programs in next NDC report; help determine feasibility of faculty survey for associate programs in future reports
- Continuing presence at various conferences (such as SIGITE, SIGCSE, 3CS, ITiCSE, NICE) to support and build community, get feedback, and disseminate publications (physical events limited this year due COVID, and compensated with more online presentations)
- Continuing outreach via our web site, educator mailing list, social media, YouTube channel

Future Plans

- Continue dissemination and promotion of ACM curriculum guidelines for two-year programs
- 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
- Continue to support the launch and growth of **ACM2Y**, a group within ACM to support and engage community college educators and bring together all with an interest in computing education in two-year programs globally
- With **ACER committee**: Complete and publish report on unretained students
- With **NDC committee**: Assist to include associate program data to the fullest extent possible.
- Continue support of other ACM groups and projects with community college perspective, as appropriate (examples: CS202X 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 28, 2021