

ANNUAL REPORT
of the
ACM COMMITTEE for COMPUTING EDUCATION in COMMUNITY COLLEGES
for the period FY15: July 1, 2014 - June 30, 2015

acmcecc.org = capspace.org = ccecc.acm.org

Dr. Elizabeth K. Hawthorne, CCECC Chair, provides the following report on the activities of the ACM Committee for Computing Education in Community Colleges (CCECC). Previous annual reports of the CCECC are archived online at acmcecc.org/committee/annualreports.aspx.

CCECC CHARTER:

The Committee charter and purpose: The *ACM Committee for Computing Education in Community Colleges (CCECC)* is the standing committee of the ACM Education Board concerned with computing education at associate-degree granting colleges and similar post-secondary institutions throughout the world. The *Committee* advises the Education Board on all issues concerning curriculum, pedagogy and assessment, and engages in advocacy and policy for this sector of higher education.

CCECC CURRENT MEMBERSHIP: acmcecc.org/committee/membership.aspx

Members

- Elizabeth K. Hawthorne, PhD, CCECC Chair; Senior Professor, Union County College
- Cara Tang, PhD, CCECC member; Faculty, Portland Community College
- Cindy Tucker, CCECC member; Associate Professor, Bluegrass Community and Technical College

Emeriti Members

- Mr. Robert Campbell (retired December 2014 from the CCECC)
- Dr. Karl Klee
- Dr. John Impagliazzo
- Dr. Joyce Currie Little
- Dr. Dick Austing

CCECC HISTORY: acmcecc.org/committee/membership.aspx

Briefly, the CCECC has been serving the computing education community since 1991. The service of other members is noted on this webpage.

The CCECC achieved the following milestones in FY15 (July 1, 2014 – June 30, 2015):

- After three years, published and disseminated final report, *ACM Competency Model of Core Learning Outcomes and Assessment for Associate-Degree Curriculum in Information Technology*
 - Available in print, the ACM DL, and from acmccecc.org/ITreport/
- Maintained CAP Space website, an online repository of Curricula, Assessment and Pedagogy resources for computing education – capspace.org.
 - Integrated Google Groups to CCECC's Facebook, LinkedIn and Twitter social media presence, available through CAP Space
- Started comprehensive redesign of the user interface of the committee's website (capspace.org)
 - Contracted through an RFP process a new website developer since former developer retired
 - Began migration of committee's website to ACM's cloud hosting
- Maintained affiliate database with 6,146 confirmed email contacts of two-year college computing educators
 - Initiated a new ACM listserv service for community college educators (ACM-CCECC)
- Joined the Cyber Education Project and co-chaired the learning outcomes committee – cybereducationproject.org
- Appointment of Elizabeth Hawthorne to serve on the ACM Education Board
- Continued serving on the ACM Education Council
- Continued serving on the ACM Education Policy Committee – acm.org/public-policy/education-policy-committee
- Continued serving on the ACM-W council – women.acm.org
 - Provided community college contact information in support of several ACM-W Women in Computing Celebrations
 - Attended annual planning meeting in June 2015
 - Shared booth space at SIGCSE 2015
- Continued collaborating with CSTA – csta.acm.org
 - Presented at annual CSTA conference the crosswalk document between ACM Associate Degree Core IT Learning Outcomes and CSTA Computer Science Standards
 - Shared booth space at SIGCSE 2015
- Engaged in a variety of advocacy and outreach efforts on behalf of computing education in the community college sector including the following conferences: SIGITE 2014 (October), Grace Hopper conference 2014 (October), NICE 2015 conference (November), MPICT Winter Conference 2015 (January), SIGCSE 2015 (March), Women in Cybersecurity conference 2015 (March), KYCC-WiC 2015 (April), CISSE 2015 conference (June), Community College Cyber Summit 2015 (June).

- Continued communication with colleagues via the featured, quarterly column in *ACM Inroads*, Community College Corner – columns available in the ACM Digital Library as well as from acmccecc.org/publications/
- Ongoing dissemination and outreach activities, including periodic mailings and email messages to contacts in the CCECC Affiliate database, website enhancements, articles, conference sessions and exchanges with colleagues
- Continued support for the ACM Education Council and Education Board goals and objectives

The CCECC plans to pursue the following activities in FY16 (July 1, 2015 – June 30, 2016):

- Initiate associate-degree curricular guidance in Computer Science with embedded “cyber” learning outcomes
 - Based on the ACM CS2013 guidelines, the cyber education project learning outcomes committee work, the National CyberWatch Center’s mapping to the NICE framework, and the DHS/NSA’s KUs for CAE/2Y designation in cybersecurity
- Continue recruiting and mentoring new CCECC members, especially in support of CS associate-degree curricular initiative
- Complete comprehensive redesign and migration of the committee website (ccecc.acm.org)
- Ongoing maintenance of committee website (ccecc.acm.org)
- Continue maintenance and growth of database contacts of community college computing educators
- Continue serving on the ACM Education Board
- Continue serving on the ACM Education Council
- Continue serving on the ACM Education Policy Committee
- Continue serving on the ACM-W Council
- Continue collaborating on the Cyber Education Project
- Continue collaborating with CSTA
- Continue a variety of advocacy and outreach efforts on behalf of computing education in the community college sector, such as various conferences, articles, meetings, and workshops
- Continue communication with colleagues via the quarterly Community College Corner column in *ACM Inroads*
- Ongoing dissemination and outreach activities, including periodic mailings and email messages to contacts in CCECC database, website enhancements, articles, conference sessions, and exchanges with colleagues