

**ANNUAL REPORT**  
**of the**  
**ACM COMMITTEE for COMPUTING EDUCATION in COMMUNITY COLLEGES**  
**for the period**  
**July 1, 2010 - June 30, 2011**  
**[www.acmccecc.org](http://www.acmccecc.org)**

Dr. Elizabeth K. Hawthorne provides the following report on the activities of the ACM Committee for Computing Education in Community Colleges (CCECC), formerly the Two-Year College Education Committee (TYCEC).

**CCECC MEMBERSHIP:**

Members

- Elizabeth K. Hawthorne, CCECC Chair; Senior Professor, Union County College; ehawthorne@acm.org
- Robert D. Campbell, CCECC Vice-Chair ; VP for IT CUNY Graduate Center; rcampbell@gc.cuny.edu

Associate Members

- Deborah Boisvert, Executive Director, BATEC Center for IT University College, University of Massachusetts Boston, MA
- Robert Deadman, Asst Vice-President of Business, Computing Technology and Logistics Ivy Tech Community College, Indianapolis, IN
- Sierra Hampton, Manager of Exam Development Citrix Systems, Inc., Ft. Lauderdale, FL
- Margaret Leary, Professor, Information Technology Northern Virginia Community College, Annandale, VA
- Dan Myers, Academic Programs Manager Citrix Systems, Inc., Castle Pines, CO
- Lance Perez, Professor, Electrical Engineering University of Nebraska, Lincoln, NE
- Michael Qaissaunee, Associate Professor, Engineering & Technology Brookdale Community College, Lincroft, NJ
- Anita Verno, Associate Professor, Information Technology Bergen Community College, Paramus, NJ
- Jason Wertz, Assistant Professor, Computer Science Montgomery County Community College, Blue Bell, PA
- Christopher Wu, Associate Director Mid-Pacific ICT (MPICT) Center, San Francisco, CA

- Kim Yohannan, Academic Alliance Manager  
EMC Corporation, Franklin, MA

#### Emeriti Members

- Karl Klee
- John Impagliazzo
- Joyce Currie Little
- Dick Austing

#### **PURPOSE:**

The Committee charter and purpose is as follows. The *ACM Committee for Computing Education in Community Colleges* 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 as directed on all issues concerning curriculum, pedagogy and assessment, and engages in advocacy and policy for this sector of higher education.

#### **The CCECC achieved the following milestones in FY11 (July 1, 2010 – June 30, 2011):**

- Concluded the NSF-funded *Strategic Summit on the Computing Education Challenges in Community Colleges* with final report to NSF.
- Produced and widely disseminated the report of findings from the *Strategic Summit on the Computing Education Challenges in Community Colleges* – [www.acmccecc.org/summitreport](http://www.acmccecc.org/summitreport)
- Submitted project proposal to ACM Education Board for development of associate-degree curricular guidelines in Information Technology. The two-phase project was approved with budget still pending.
- Participated in the CS2013 steering committee curricular development project.
- Formal adoption of Committee By-Laws and a new Committee name – Committee for Computing Education in Community Colleges (CCECC) – by the ACM Education Board - [www.acmccecc.org/committee/operatingprinciples.aspx](http://www.acmccecc.org/committee/operatingprinciples.aspx)
- Established new committee structure and appointments of associate and emeriti members - [www.acmccecc.org/committee/History.aspx](http://www.acmccecc.org/committee/History.aspx) - as replacements for retiring members Karl Klee and Anita Wright.
- Completed implementation of the next phase of CAP Space, an online repository of curricula, assessment and pedagogy resources – [www.capspace.org](http://www.capspace.org).
- Established Facebook presence, [www.facebook.com/ACMccecc](http://www.facebook.com/ACMccecc), with 33 likes.
- Produced a brochure announcing the 20<sup>th</sup> anniversary of the Committee along with new CCECC name. Color brochure mailed to all community college computer science and

information systems department chairs and distributed at conferences -

[www.acmccecc.org/committee/CommitteeFileUploads/2011CCECCbrochure.pdf](http://www.acmccecc.org/committee/CommitteeFileUploads/2011CCECCbrochure.pdf)

- The brochure mailing (mentioned above) included a pointer to an online survey about the types of computing programs offered in community colleges - [www.acmccecc.org/survey/](http://www.acmccecc.org/survey/)
- Collaboration with colleagues and dissemination of information through participation in a variety of conferences, including the NSF ATE PI Conference 2010, SIGCSE 2011, ITiCSE 2011, the League for Innovation in the Community College 2011, AACC annual convention 2011, Faculty of the Future Conference 2011, and CISSE 2011.
- Co-leadership of the ITiCSE 2011 Working Group on Information Assurance - <http://www.iticse2011.tu-darmstadt.de/wgs/wg3>
- Promotion of internationalization of CCECC work by presenting at the ITiCSE 2011 conference.
- Visited two more NSF ATE centers as part of our outreach efforts: MPICT (San Francisco) - [www.mpict.org](http://www.mpict.org) and CSEC (Tulsa) - [www.cseconline.org](http://www.cseconline.org).
- Communication with colleagues via a featured column in the ACM Inroads publication, *Community College Corner*.
- Ongoing communication and outreach efforts with Chris Stephenson, Executive Director of CSTA— <http://csta.acm.org/>
- Invited participate in the NSF-funded Interdisciplinary Computing Working Group
- Continued participation on the ACM Education Policy Committee and other advocacy efforts on behalf of computing education in the community college sector.
- Invited by the Software Engineering Institute of Carnegie Mellon University and the Department of Homeland Security to collaborate on software assurance curricular guidelines for community colleges - <https://buildsecurityin.us-cert.gov/bsi/1165-BSI.html>.
- Presentations to the ACM Education Council and support for the goals and objectives of the ACM Education Council and Board through a variety of synergistic activities.

**The CCECC plans to pursue the following activities in FY12 (July 1, 2011 – June 30, 2012):**

- Complete investigation phase of the associate-degree Information Technology (IT) project with a recommendation to the ACM Education Board by early spring 2012.
  - Appoint working group members
  - Conduct conference call with working group
  - Conduct in-person meetings with working group
  - Write report with recommendation
- Depending upon Ed Board direction begin second phase of the associate-degree IT project along with associated budget.

- Continued participation in the CS2013 steering committee curricular development project.
- Collaborate with CSTA colleagues to produce a poster with IT-related associate-degree programs. This poster will be dissemination nationally in support of CS Ed Week 2011.
- Appointments of additional CCECC associate members.
- Funding for and implementation of the next phase of CAP Space, an online repository of curricula, assessment and pedagogy resources.
- Engagement in a variety of advocacy efforts on behalf of computing education in the community college sector.
- Continuation of our representation on and collaboration with the ACM Education Policy Committee.
- Continuation of support for the ACM Education Council and Education Board goals and objectives
- Continuation of dissemination and outreach activities, including mailings, website enhancements, conference sessions and exchanges with colleagues, as well as continuation of our SIGCSE Inroads column and participating with the ACM Education Council.