Panel: Status Report from the ACM/IEEE-CS Task Forces on Software Engineering Curriculum and Body of Knowledge

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The two major professional organizations concerned with computing and software development, the ACM (Association for Computing Machinery) and IEEE Computer Society joined forces in 1993 and created the Joint IEEE-CS and ACM Steering Committee for the Establishment of Software Engineering as a Profession. The Committee was charged, "To establish the appropriate set(s) of criteria and norms for professional practice of software engineering upon which industrial decisions, professional certification and education curricula can be based." In 1998 the IEEE-CS/ACM Software Engineering Coordinating Committee (SWECC) was created as a successor to the Joint Steering Committee to coordinate, sponsor and foster all the various activities regarding software engineering: standards of practice and ethics, body of knowledge, and curriculum guidelines and exam guidelines. The panel will discuss the current activities of the SWECC and the progress of the Task Forces for Software Engineering Curriculum and Software Engineering Body of Knowledge. The Body of Knowledge Task Force has developed and prototyped a survey instrument. The Curriculum Task Force has developed a set of accreditation criteria (http://www.computer.org/tab/seprof/) as a “requirements specification” for the new undergraduate Software Engineering Curriculum Model, which is currently under development. Panel members include: Moderator: Laurie Werth Software Engineering Curriculum Task Force Department of Computer Sciences, The University of Texas at Austin Dennis Frailey Co-Chair, Joint IEEE-CS/ACM Software Engineering Coordinating Committee Raytheon TI Systems Gerald Engel Co-Chair, Software Engineering Curriculum Task Force University of Connecticut Richard LeBlanc Co-Chair, Software Engineering Curriculum Task Force Georgia Institute of Technology, College of Computing Robert Dupuis Body of Knowledge Task Force University of Quebec, Montreal, Canada