Panel:
The Center for Computing Education:
Opportunities for IS Program Assessment 
and Certification for Program Graduates

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ABSTRACT
The Center for Computing Education (CCER) has been developed as a component of the
Institute for Certification of Computing Professionals (ICCP) Education Foundation (EF) to
provide assessment services based on the IS2002 Model Curriculum for Information Systems
sponsored by the ACM, the AIS, and the AITP. The assessment exam is based on the learning
units of the model curriculum. Approximately fifty universities have participated in this
process to date. Participating university programs have received detailed analysis of the
performance of their students’ performance compared with the participating national sample
for both exit level skills (job-entry level skills), as well as for performance on learning units of
the curriculum. Since institutions have mapped the learning units to their courses, the exam
provides a basis for assessment of course performance compared with a national sample. This
data is useful for course assessment. The same data when mapped either to ABET-CAC
program objectives, or to individual university program objectives to a quantitative
assessment of program effectiveness compared with a national standard. Also, students
passing the CCER exam become qualified for the Information Systems Analyst (ISA)
Certification from the ICCP without further examination upon completing their degree
requirements.

The panel will discuss progress in validation of the national examination, expansion of
services, as well as opportunities for involvement in the operations and research efforts of the
CCER. The panel will review the relevance of this exam to program assessment and to the
concept of learning assurance and of continuous program improvement.

Keywords: IS2002 curriculum, assessment, learning assurance, entry level skills, certification