Call for Papers

FRONTIERS IN EDUCATION
Racing Toward Innovation in Engineering Education

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www.fie-conference.org

FRONTIERS IN EDUCATION
CONFERENCE
Racing Toward Innovation in Engineering Education —

Wednesday–Saturday
October 22–25, 2008

The Saratoga Hotel and Conference Center | Saratoga Springs, New York
The 38th Annual Frontiers in Education (FIE) Conference is a major international conference devoted to improvements in computer science, engineering education, and technical communication. FIE 2008 continues a long tradition of supporting educational research results and innovative practices in CSET education. It is an ideal forum for sharing ideas, learning about developments in CSET education, and interacting with colleagues.

Globalization calls for engineers and other professionals who are innovative. Engineering education must meet this challenge innovatively with new pedagogies, new approaches that improve student learning of technical and cultural skills, and learning skills required of graduates entering the global workplace. This year, in Saratoga Springs—a city that fosters innovation and creativity while maintaining a sense of history—the FIE conference planners are especially interested in continuing the dialogue about globalization with contributions that address models of innovation in CSET education while preserving the best practices of the past.

**Submission Schedule**

We welcome abstracts for peer-reviewed full papers and for work-in-progress reports (WIPs). We also invite proposals for panels, special sessions, and workshops. Five formats are described in detail in this call for papers and at www.fie-conference.org. FIE 2008 is proud to continue the tradition of supporting new faculty through competitive fellowships. New Faculty Fellows are expected to author or co-author a full paper.

**Topics of Interest**

- Accreditation issues
- Active learning
- Assessment
- Distance and Web-based software
- Community outreach: educating the public
- Design curricula and curricula
- Design experiences—senior capstone and course
- Disciplinary introductory courses
- Distance learning: methods, technologies, and assessment
- Diversity, valuing, and teaching it
- Enrollments in CSET programs
- Entrepreneurship programs
- Ethical/effective ways to teach and assess teaching
- Faculty development
- First-year courses and programs
- Gender issues in CSET education
- Globalization: preparing faculty and students
- Graduate curricula and curricula
- Innovative engineering and CSE courses
- K-12 initiatives and partnerships
- Laboratory experiences: on-site and at a distance
- Learning models
- Liberal arts courses and EC 2000
- Lifelong learning and nontraditional students
- Pedagogies
- Service learning
- Skills development: technical writing, presentation, teamwork
- Student retention and persistence
- Student-abroad programs
- Undergraduate research experiences
- Uses of technology in the classroom
- Other topics that address issues at the frontiers in CSET education

**A Full Paper**

Authors must submit an electronic abstract of no more than 300 words, via the FIE 2008 Web page (www.fie-conference.org) by the submission deadline. The abstract must contain: author’s name, abstract title, author’s affiliation, phone number, fax number, and e-mail address. One author from each paper must register for and attend the conference. Abstracts should clearly present the paper’s relevance to the conference theme, and/or format. Thus, they provide experiences that are “at the frontiers.”

**A Work-in-Progress Report (WIP)**

A WIP describes preliminary developments of an ongoing project that involves state-of-the-art implementation, creative pilot programs, or nontraditional concepts. A two-page (maximum) paper will be submitted for a WIP. WIP papers are expected to include importance to the community, current project status, expected outcomes, projected status by the conference date, preliminary results, and an evaluation plan. WIPs will be peer-reviewed by at least three reviewers.

**Workshops**

Workshops will be peer-reviewed by at least three reviewers.

**Panels & Special Sessions**

- Panels and special sessions are scheduled as part of the technical program parallel to traditional paper presentations.
- Panels and special sessions normally include short presentations by several speakers followed by discussion with the audience.
- Special sessions allow a variety of nontraditional formats and encourage the involvement of all audience members in active learning.
- Special sessions are nontraditional in the sense that they are not like programmed conference workshops. They give session leaders an opportunity to take risks and try something that may be unprecedented in content and/or format. Thus, they provide experiences that are “at the frontiers.”
- Panels and special sessions will be peer-reviewed by at least three reviewers.
- Sessions are 90 minutes in length.

If your abstract is accepted, a complete paper is due.

- Two-page paper due
- Two-page summary due
- Workshop outline due

**Workshops**

Workshop presenters will submit an outline rather than a formal paper. Workshop presenters must register for and attend the conference. A two-page (maximum) paper will be submitted for a WIP. WIP papers are expected to include importance to the community, current project status, expected outcomes, projected status by the conference date, preliminary results, and an evaluation plan. WIPs will be peer-reviewed by at least three reviewers.

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