SE22+: Innovations in Software Engineering Education
Special Track at FIE 2018

In Fall, 1996, undergraduate students at Rochester Institute of Technology crossed a frontier in education: They entered what would be the first cohort of the first graduating class of the first accredited undergraduate Software Engineering program in the United States [1]. As a way of celebrating the 22nd anniversary of crossing of this frontier in education, FIE and the STC for Education are opening an SE22+ submission track at FIE’18 for papers, workshops and panels that report and explore the current frontiers of Software Engineering education worldwide.

This SE22+ track seeks scholarship and innovative strategies for realizing SE Curricula: How are we realizing the curriculum? What are the drivers affecting student learning and the development of software engineering competencies? [2]

In particular, this SE22+ track seeks papers that present research and innovations in SE courses, programs and curricula:

- **SE core-topic courses**, e.g., those that develop Software Requirements Skills, Design Skills, Construction Skills, Testing Skills and Sustainment Skills [2]
- **SE cross-cutting courses**, e.g., those that develop Software Process and Lifecycle skills, Systems Engineering skills, Quality Skills, security skills, safety skills, configuration management skills, and human-computer interaction skills [2]
- **Project-based learning** in SE education
- **Nontechnical competencies** essential to the success of a SE professional
- **Diversity and Inclusion** in SE programs
- **SE Program delivery**, including staffing, retention and staff development
- **SE Competencies**, including ways of defining and utilizing professional competencies in SE education
- **Philosophy of Engineering & Computing** relating how SE relates to the broader traditions of engineering, computing and mathematics

Abstracts for this call should be submitted with the normal call for papers for FIE’18 available at [http://FIE2018.org](http://FIE2018.org). For the convenience of the program committee, please include the phrase “SE+20” in the abstract title.

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