



Call for Submissions – Education Track

27th International Conference on Software Engineering

St Louis, Missouri, USA, 15-21 May 2005
<http://www.icse-conferences.org/2005/>

Sponsored by ACM SIGSOFT and IEEE Computer Society-TCSE

Conference Organization

General Chair

Gruia-Catalin Roman *Washington U., St. Louis, USA*

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Experience Reports

Constance Heitmeyer *Naval Research Lab, USA*

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Educational Reports

Paola Inverardi *U. of L'Aquila, Italy*

Mehdi Jazayeri *TU. of Vienna, Austria*

and U. of Lugano, Switzerland

State of the Art

David Garlan *Carnegie Mellon U., USA*

Jeff Kramer *Imperial College, UK*

State of the Practice

Wolfgang Emmerich *University College London, UK*

David Rosenblum *University College London, UK*

Extending the Discipline

John Mylopoulos *U. of Toronto, Canada*

Ian Sommerville *Lancaster U., UK*

Panels

Jeffrey Magee *Imperial College, UK*

Kevin Sullivan *U. of Virginia, USA*

Workshops & Co-located Events

Andre van der Hoek *UC Irvine, USA*

Gian Pietro Picco *Polltechnico di Milano, Italy*

Tutorials

Steve Easterbrook *U. of Toronto, Canada*

Martin Glinz *U. of Zurich, Switzerland*

Demos and Posters

Prem Devanbu *UC Davis, USA*

Cecilia Mascolo *University College London, UK*

Exhibits

Rose Gamble *U. of Tulsa, USA*

Rick Kazman *SEI & U. of Hawaii, USA*

Doctoral Symposium

Gail Murphy *U. of British Columbia, Canada*

Kumiyo Nakakoji *U. of Tokyo, Japan*

Most Influential Paper

David Notkin *U. of Washington, USA*

New Faculty Symposium

Leon Osterweil *U. of Massachusetts, USA*

Midwest Consortium

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ICSE is the premier forum for researchers, practitioners and educators to present and discuss the most recent ideas, innovations, trends, experiences, and concerns in the field of software engineering.

Software Everywhere is the theme of ICSE 2005. It acknowledges the increasingly important role software plays in the life of our society through the technology that sustains it. The theme also highlights the growing level of responsibility our profession and its members are expected to assume. As such, an important goal of this meeting will be to reach out to other disciplines that have an impact upon or benefit from software engineering know-how.

Which Education for Software Engineers? ICSE 2005 focuses on the identity of our profession, its perspectives and its future. Education is a vital mission for our community in order to meet the challenges of today and, primarily, those we expect to face in the future. Moreover education is intimately bound with social and economical factors raising different questions and problems in different countries. The track will be organized to reflect this diversity through expert presentations and open discussion sessions. The goal of the educational track is to expose, analyze, and investigate what is difficult and peculiar about teaching software engineering and what are the necessary ingredients for improving our educational activities. We therefore solicit contributions from the community on problems/questions/open issues in teaching software engineering which will help us shape the agenda of the educational track for this year and a roadmap for the future of software engineering education. The panel/discussion sessions will provide a forum for selected submitters to present and discuss their questions and experiences with experts in the field and with the track participants.

A post-conference monograph will summarize the event and will be made available to all participants.

Contributions are invited for papers describing problems, relevant experiences, and novel insights in educational activities. Papers should be at most two pages long, in the conference format, and should clearly describe the social-economical-educational context they refer to, the object of the discussion and the expected result of the discussion. The paper should explicitly list up to three main challenges an instructor of software engineering faces today, and optionally, potential solutions to those problems. Questions/problems of interest include, but are not restricted to:

- Software Engineering is about *complexity*: How/what can we teach about *complexity*?
- Software Engineering is about *software*. What knowledge should we assume about *software*?
- Successful software engineering requires experience. What can we assume about experience and how can we impart experience?
- Software has fundamental impact on advanced societies. Should we address ethical and other societal issues? How?
- Software Engineering is increasingly done in a distributed way. What are the rules? What should we say about outsourcing? About the impact of linguistic differences?
- Are projects necessary for a course? What is the role of projects? What is the role of textbooks? Do we still need textbooks now that we have the Internet?
- What is the impact of the Internet, as an infrastructure for software development, as a delivery vehicle for courses, as a vast data store of information?
- Software engineering is influenced by organizational and cultural issues. What culture and organization do we teach for? Should we teach about culture?
- Are there fundamental issues related to programming languages, software tools, and infrastructure?

Contributions will be evaluated by the two chairs. Authors of the selected papers will be invited to be part of the discussion sessions, to provide a statement about their submission, and to participate in the debate.

The heartland of America and St. Louis welcome the conference in the elegant setting of the Adams Mark Hotel on the Mississippi riverfront and in the shadow of a monumental feat of engineering, the St. Louis Arch. The starting point for the historical Lewis and Clark expedition and the cradle of jazz, the region offers visitors a wide range of tourist and entertainment opportunities for both individuals and families with children.

Conference Information will be available on the conference web site, which has been designed to be a living document offering up-to-date news on all conference events, submission instructions and deadlines, hotel information, registration, tourist information, travel, etc. The continuously updated web pages will help you plan your involvement in the conference. We encourage you to leave your own mark on this important event.

Important Submission Dates

Education papers

1 September 2004