International Symposium on
Software Testing and Analysis

Call for Papers

ISSTA 2006  Portland, Maine  July 17-20, 2006
http://www.cis.udel.edu/issta06/

CONFERENCE SCOPE
ISSTA is the leading research conference in software testing and analysis, bringing together academics, industrial researchers, and practitioners to share ideas, problems, and experiences. The ISSTA program will include technical papers, industry papers, "big-new-idea" papers, workshops, and invited presentations. The conference is located at the Holiday Inn by the Bay in Portland, Maine.

TECHNICAL PAPERS
Authors are invited to submit technical papers describing original research in testing or analysis of computer software. Papers describing theoretical or empirical research, new techniques, or in-depth case studies of testing and analysis methods and tools are welcome. Submissions must be original and should not have been published previously or be under consideration for publication while being evaluated for this symposium. Authors of accepted papers will be required to sign an ACM copyright release.

INDUSTRY PAPERS
ISSTA 2006 will include one or more sessions on industry papers. A separate industry paper committee (shown on the ISSTA 2006 web site) will select outstanding papers that report advances in practice of software testing and analysis, discuss new problems and/or solutions found in industrial applications (with particular emphasis on new application domains introducing new problems), provide data useful for experimentation, or report experiences in the field with particular reference to tools and automation. The industry paper committee will be chaired by the ISSTA general and program chairs and composed of scientists working in industry who will evaluate the papers according to this call. The selected papers will be presented in conference sessions and will appear in the proceedings.

BIG-NEW-IDEA PAPERS
ISSTA 2006 will include a special track on papers presenting big new ideas and new research directions in the field. These papers will be evaluated by a distinct committee (shown on the ISSTA 2006 web site), which will evaluate the novelty and the potential impact of proposed ideas and directions on research and long term industrial practice. Big-new-idea papers will be presented at the conference and will be published in the ISSTA proceedings.

DOCTORAL SYMPOSIUM
The Doctoral Symposium is a forum for Ph.D. students working in the area of software testing and analysis to publicly discuss their research goals, methods, and results with senior researchers of the software testing and analysis community in a constructive and friendly atmosphere. Participants will obtain useful guidance for completion of their dissertation research and initiation of a research career in software testing and analysis. Each prospective student participant should be at the stage between identifying a research topic and 6 months prior to dissertation completion and submit materials (shown on the ISSTA 2006 web site) for consideration by the Doctoral Symposium Committee. Organizer: Lori Clarke.

NEW FACULTY SYMPOSIUM
The New Faculty Symposium is a forum for new Assistant Professors conducting research in the area of software testing and analysis. The symposium will include presentations by leading academic researchers who will provide guidance and advice based on experiences and insights into research, teaching, and service challenges as a new faculty member. The target audience consists of faculty members with at most 5 years of experience, post docs, and PhD students expecting to graduate in 2007. Organizers: Mauro Pezzè and Lori Pollock.

CO-LOCATED WORKSHOPS
The workshops of ISSTA 2006 aim to provide forums for discussing research results and best industrial practices in hot research areas. Workshops will be held in parallel on July 17, 2006, the day before the main conference. Researchers interested in organizing a workshop at ISSTA 2006 should submit a proposal following the ISSTA web site procedure by November 15, 2005.

SUBMISSION GUIDELINES
Technical, industry, and big-new-idea papers must be prepared in ACM conference format and must not exceed 11 pages in camera-ready form, including figures and references. All submissions must be in English. Further instructions and guidelines are available on the ISSTA 2006 web page.

Important Dates
Workshop proposals: Tuesday, November 15, 2005
Paper submission: Friday, January 27, 2006
Author Notification: Monday, April 10, 2006
Camera-Ready Copy: Tuesday, May 2, 2006
ISSTA 2006: July 17-20, 2006

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