The University of Memphis
Systems Testing Excellence Program
FedEx Institute of Technology

Sixth International Research Workshop on Advances and Innovations in Software Testing

http://step.memphis.edu/

July 24-25, 2012
Memphis, Tennessee

Call for Papers

The University of Memphis’ Systems Testing Excellence Program and the FedEx Institute of Technology are pleased to announce:

Sixth International Research Workshop on Advances and Innovations in Systems Testing
http://step.memphis.edu (and then click on the Testing Workshop 2012 link)
July 24-25, 2012
Memphis, TN

The workshop will be a mixture of presentations and open discussions. Presenters and attendees come from academia and industry. Please visit the workshop web site for detailed information.

Important Dates
- Workshop registration opens - Jan 1, 2012
- Abstract submission deadline – Mar 15, 2012
- Acceptance notification to authors – Apr 10, 2012
- Paper submission deadline – Jun 1, 2012
- Final papers due – Jul 1, 2012

Details
The Sixth International Research Workshop on Advances and Innovations in Software Testing is scheduled in Memphis Tennessee at the FedEx Institute of Technology on July 24-25, 2012. The workshop aims to bring together the very best research and industry practice on the subject of Software Testing. We invite submissions related to all theoretical and practical aspects of testing including hardware testing, software testing, requirements testing, and the testing of business rules.
The workshop is organized by the Systems Testing Excellence Program (STEP) at The University of Memphis. STEP is an interdisciplinary program under the auspices of the Departments of Management Information Systems, Computer Science, and Computer Engineering, and housed in the FedEx Institute of Technology.

The workshop will be a mixture of presentations and open discussions, and it is anticipated that attendees from both academic and industry practice will benefit greatly from the free interchange of ideas and methodologies on display. We hope to see you at this year’s International Research Workshop on Advances and Innovations in Software Testing.

Keynote Addresses
Past keynote addresses were delivered by leading scholars/practitioners in the field of systems testing, including:

- Dr. Steven Hutchinson, Defense Information Systems Agency
- Ralph H Groce III, Wells Fargo Retirement
- Dr. Alan Hevner, University of South Florida
- Dr. Bill Scherlis, Carnegie Mellon University
- Dr. Jeff Offutt, George Mason University
- Dr. Thomas Ball, Microsoft Research
- Dr. Cem Kaner, Florida Institute of Technology

Submissions
We invite submissions of original contributions in all aspects of Systems and Software Testing including, but not restricted to:

- Testing metrics, risk assessment, risk tolerance
- Testing process optimization, testing automation
- Scalability issues, testing of infrastructures, platform independent testing methods and processes
- Cultural, inter-cultural, training needs, and professional challenges
- Security issues in systems testing
- Real-time testing management on a 24x7 basis
- Data and load management issues
- Testing and disaster recovery failover
- Testability criteria
- Testing in the cloud
- Interoperability testing
- Testing skills and competencies
- Networking testing challenges

Papers relating to any sub-discipline of Software Testing are welcome. Contributions will be reviewed based on their appropriateness of subject matter, originality and quality, clarity of presentation and analysis of the reported approaches.

Submission Guidelines
Abstracts (of 1 page) can be directly emailed to Dr. Ted Lee (elee@memphis.edu). The submission deadline will be March 15, 2012.

Paper submissions in Word or PDF format are preferred. Authors should use the 8.5"x11" two-column template provided on the conference website for formatting their papers. If a paper is accepted at least one author must register to present the paper, and final papers must be submitted in MS Word format.