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

![STEP Logo](https://example.com/step_logo.png)

The 11th International Research Workshop on Advances and Innovations in Software Testing  
http://www.memphis.edu/step/

University of Memphis  
Memphis, Tennessee

October 15, 2018

**Call for Papers**

The Systems Testing Excellence Program (STEP) of the University of Memphis at the FedEx Institute of Technology is pleased to announce the 11th International Research Workshop on Advances and Innovations in Software Testing on October 15, 2018 in conjunction with the 29th IEEE Symposium on Software Reliability Engineering (http://issre.net). The Software Testing Workshop features a full day of industry and executive talks, panels, and academic research presentations on Monday, October 15 with a dinner event to follow.

We invite submissions of original contributions in all theoretical and practical aspects of Systems and software testing including, but not restricted to:

- Medical device and biomedical software verification and validation
- Global user acceptance testing
- Requirements visualization for improving testing
- Agile software development and testing
- 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
• Cyber-security testing
• Internet of Things testing

Papers relating to any sub-discipline of systems and 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
Papers can be submitted via Easy Chair Submission System:
https://easychair.org/conferences/?conf=issue2018

Paper submissions in MS Word are required. The submission must be a completed manuscript. Summaries and bullet point lists of ideas or approaches will not be accepted. If a paper is accepted, at least one author must register to present the paper, and final papers must be submitted by using the provided template in MS Word format.

Formatting Guidelines
Papers must be written in English, and be formatted according to the IEEE Computer Society Format Guidelines.

Manuscript page length (all in double column, IEEE conference style format): 6 pages (not including references and appendix)

Important Dates
• Paper Submission: July 21, 2018
• Paper Notification: August 13, 2018
• Camera Ready: August 28, 2018

Event Details
The 11th International Research Workshop on Advances and Innovations in Software Testing is scheduled at the University of Memphis’s FedEx Institute of Technology in Memphis, Tennessee on October 15, 2018.

The workshop is organized by the Systems Testing Excellence Program (STEP) at the University of Memphis. STEP is an interdisciplinary research program under the auspices of the FedEx Institute of Technology that brings together the departments of Business Information and Technology (formerly MIS), Computer Science, and Electrical & Computer Engineering. The workshop is also supported by FedEx’s Global Testing Center of Excellence which has a unique research and training partnership relationship with STEP.

The workshop will be a mixture of presentations and open discussions. It is anticipated that attendees from both academia and industry will benefit greatly from the open exchange of ideas and methodologies on systems and software testing.
Please visit the workshop website for detailed information: https://umdrive.memphis.edu/g-mis/www/memphis/step/STEP2018/index.html