WORKSHOP ON RELIABILITY AND SECURITY DATA ANALYSIS (RSDA 2013)

CO-LOCATED WITH THE 43RD IEEE/IFIP INTERNATIONAL CONFERENCE ON DEPENDABLE SYSTEMS AND NETWORKS (DSN 2013), JUNE 24, 2013 - BUDAPEST, HUNGARY

CALL FOR PAPERS

Computer systems are intertwined in many modern human activities and, more importantly, they play key roles in critical domains. As such, it is critically important to assess the dependability of computing systems. Data collected under real workload conditions can provide troves of valuable information about the stresses the systems encounter and their responses to them. Relevant data includes text logs and numeric data from application, system, network, and environmental sensors.

The inherent value of reliability and security data is well recognized by practitioners, academia, and industry. However, despite of decades of research and methodological advances, data analysis keeps posing challenging research questions due to ever-increasing data variety and scale, and diversity of analysis objectives and application domains.

GOALS

RSDA aims to establish a forum to stimulate scientific research in this area, including discussion of techniques and tools to manage and analyze reliability and security data. The workshop will also aim to establish the agenda of future activities in the field of reliability and security data analysis, and foster synergistic collaborations among attendees.

TOPICS OF INTEREST

The workshop addresses (but is not limited to) the following topics:

- Data production, management and organization
- Data formats and collection
- Data filtering and processing
- Big data analytics
- Data-driven reliability and security evaluation and modeling
- Data-driven monitoring and control
- Improving reliability and security through data analysis
- Generation of synthetic data sets and ground truth
- Benchmarking reliability and security assessment techniques
- Tools for reliability and security data analysis
- Advances and challenges in reliability and security analysis
- Analytical and simulation studies
- Experiences with real-world systems

Relevant **application areas** include (but are not limited to): distributed, parallel, grid systems, cloud computing, real-time and embedded systems, database and transactional systems, OS, web-based information, intrusion tolerant systems.

PAPER SUBMISSION

Submissions must not exceed 8 pages in length and conform to the IEEE conf. proceedings style (http://2013.dsn.org/call-for-contributions/submission-rules/), must be made electronically and imply the willingness of at least one of the authors to attend the workshop, if accepted. Accepted submissions will be included in the DSN 2013 proceedings and on IEEE Xplore as workshop papers. Submission link is available at the webpage http://www.mobilab.unina.it/RSDA2013/

IMPORTANT DATES

Paper Submission: March 25, 2013
Notification of Acceptance: April 12, 2013
Camera Ready Deadline: April 30, 2013

WORKSHOP ORGANIZERS

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WORKSHOP WEBPAGE

http://www.mobilab.unina.it/RSDA2013