RADIANCE 2016

International Workshop on Recent Advances in the DependabIlity AssessmeNt of Complex systEms

June 28, 2016
Toulouse, France

Co-located with DSN 2016

Important Dates

March 28 - Submission deadline
April 18 - Author notification
June 28 - Workshop

Submissions

- *Full papers* (6-8 pages) - original research works or prototype/tool descriptions
- *Short papers* (4 pages) - preliminary research works or position papers

Program Committee

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Critical systems are becoming more and more **complex and heterogeneous**, integrating previously separated systems and including design solutions ranging from the introduction of software **Off The Shelf (OTS)** to the adoption of loosely-integrated and composable services. Innovative dependability assessment solutions and certification processes are thus needed to deal with such complexity, calling for new solutions for the **efficient, automated, and possibly continuous assessment and certification**.

The **RADIANCE** workshop aims to discuss novel **dependability assessment** approaches for **complex systems** and to promote their adoption in **real-world systems** through industrial and academic research. RADIANCE aims to promote and foster discussion on novel ideas, constituting a forum where researchers can share both **real problems and innovative solutions** for the assessment of complex systems.

Topics include, but are not limited to:

- Assessment of integrated systems including software OTS
- Agile development in critical systems: assessment challenges and approaches
- Natural language requirements for software development
- Software assessment to cope with increasing system complexity
- Certification of complex and integrated systems
- Dynamic and evolving systems: new needs for verification, validation and certification
- Automated verification and validation of critical systems
- Model-driven approaches for the assessment of dependable and secure systems
- Experimental assessment of dependability and security
- Dependable and secure services
- Open issues, practical experiences and real-world case studies

Accepted papers will be included in a supplemental volume of the DSN conference proceedings (DSN-W), and published by the IEEE Computer Society on IEEE Xplore.

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