

RISK 2016

4TH INTERNATIONAL WORKSHOP
 ON RISK ASSESSMENT
 AND RISK-DRIVEN QUALITY ASSURANCE
 OCTOBER 17TH – 19TH 2016 IN GRAZ, AUSTRIA

The fourth international workshop on Risk Assessment and Risk-driven Quality Assurance (RISK) addresses risk-based approaches for ensuring the quality of software and cyber-physical systems. We are interested in innovative techniques, tools, languages and methods from industry or research, that take risk into account in the process of assurance, compliance, validation, or testing of cyber-physical systems and software. We are interested in safety, security and reliability, and in particular the intersection between these areas. In this year's edition, contributions that address reliability or the Internet of Things are particularly encouraged.

CONTACT

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Workshop Email Address:

risk-workshop@fokus.fraunhofer.de

Workshop Homepage:

https://www.fokus.fraunhofer.de/de/events/risk_2016

Paper Submission:

<https://easychair.org/conferences/?conf=risk2016>

SCOPE AND INTERESTS

Submitted papers should cover at least one of the following topics:

- Languages for capturing risk information
- Formal and semi-formal risk analysis techniques (e.g., FTA, FMEA, etc.)
- Risk-based assurance, validation, development, compliance, or testing.
- Continuous risk assessment and monitoring
- Best practices/methodologies for integrating risk analysis with other techniques
- Support of standard-compliant quality assurance by risk-based approaches (e.g., IEC 61508, ISO 26262, Common Criteria)
- Verification and validation of safety-/security-critical systems
- Risk-based testing with model-based technologies
- Quality and quality improvement of risk-based test models
- Limitations and restrictions of integrated risk analysis and testing, its costs and economic impact
- Traceability and management of integrated risk analysis and testing
- Experience reports and industrial case studies
- Legal risk management
- Risk assessment to support regulatory compliance
- Assurance and compliance
- Cyber Insurance

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IMPORTANT DATES

Paper Submission Deadline:

September 18th

Author Notification:

October 4th

Camera-ready Deadline

February 2017

Venue and Dates

The workshop will take place in October 17th–19th 2016 in Graz, Austria.

The workshop will be co-located with the ICTSS 2016 conference (<http://ictss2016.ist.tugraz.at/>).

SUBMISSION AND PUBLICATION

Authors are invited to submit abstracts and manuscripts reporting original unpublished research and recent developments in the topics related to the workshop. Submissions are intended to fit into one of the following sections:

- Long paper (16 pages): This format will be used for original research results in the domain of risk assessment and risk-driven testing
- Short paper (6–8 pages): This format will be used to describe industrial experiences, or for describing novel techniques and positions that have not yet been fully developed

We also accept extended abstracts (2–3 pages). These abstracts are meant to introduce industrial experiences or original research results to the workshop even without having a complete full paper at hand. Extended abstracts are considered for publication in the workshop proceedings if they are elaborated to a short or long paper after the workshop taking discussions during the workshop into account and pass a second review after elaboration.. All submission must adhere to the Springer LNCS format. Accepted revised papers will be published in a special RISK 2016 Springer LNCS volume (www.springer.com/lncs) as it was for the RISK 2015 edition. Please submit your paper via EasyChair. (<https://easychair.org/conferences/?conf=risk2016>)

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- Michael Felderer, University of Innsbruck, Austria
- Fredrik Seehusen, SINTEF ICT, Norway

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