SCOPE

This workshop focuses on increasing our understanding of the nature of Software Qualities (SQs), ilities, or extra-functional requirements (reliability, usability, affordability, etc.), and their interrelationships, thus to bring them into balance in the practice of software engineering. The relevance and timeliness of this topic reflects the current and future trends toward more software-intensive systems (i.e., with greater complexity, autonomy, speed of change, and need for interoperability within systems of systems), given the frequent system shortfalls and overruns that occur when their SQ balance is not achieved. Some good research and practices are becoming available, but there is overall chaos among SQ practices, definitions, standards and relationships. The workshop aims to bring together SQ researchers and practitioners to help create more solid foundations for dealing with SQs.

AREAS OF INTEREST

Solicited areas include, but are not limited to:

- **SQs in practice:** Experience reports, lessons learned, case-studies, benchmarks, experiments, negative results due to unknown dependencies, best practices and success stories.
- **Specification and modelling notations of SQs.** These include but are not limited to: a specific property (cost, performance, resource consumption, reliability, security, etc.), set of properties, traceability during the development process, traceability over the software lifecycle, model annotations.
- **SQs validation and verification.** These take the dependencies into consideration: measurements, evaluation methods, trade-off analysis, formal methods, multi-criteria analysis, testing, simulation of a given property or set of properties.
- **SQs Data Analytics and Machine Learning**. Significant progress is being made in large-scale analysis of a software system’s code smells, technical debt, vulnerabilities, and architecture deficiencies across a software system’s commit history.
- **State-of-the-art and ontological Dependencies.** Dependencies can be to different parameters involved in the assessment of the properties, or dependencies to other properties and include synergies, conflicts, means-ends relations, quantitative trade space models, and SQ variation by system state, process, stakeholder value propositions, and operational context.

SUBMISSION GUIDELINES

SQUADE’19 welcomes three types of contributions to enable works in different research phases to be discussed at the workshop:

- **Long papers**(max. 8 pages)
- **Short papers** (max. 4 pages)
- **Industry experience reports** (max. 2 pages)

For details on the different types of contributions, see the website.

The papers submitted to SQUADE must be original (i.e., not published or submitted elsewhere) and follow the ESEC/FSE formatting guidelines. Accepted papers will be published in the ESEC/FSE workshop proceedings and published in the ACM Digital Library prior to the event. The official publication date of the workshop proceedings is the date the proceedings are made available in the ACM Library. This date may be up to two weeks prior to the first day of ESEC/FSE 2019. The official publication date affects the deadline for any patent filings related to published work.

Important dates

- Paper submission: May 30, 2019
- Notification: June 24, 2019
- Camera-ready: July 1, 2019
- Workshop date: August 26, 2019

Contact

Website
www.mrtc.mdh.se/SQUADE/

Submission site
https://easychair.org/conferences/?conf=squade19

Template
https://www.acm.org/publications/proceedings-template

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