6th International Workshop on Quality and Measurement of Model-Driven Software Development (QUAMES 2025), To be held in conjunction with ER 2025, POITIERS, FRANCE
https://quames.testar.org

Description

The success of software development projects depends on the productivity of human resources and the efficiency of development processes to deliver high-quality products. Model-driven software development (MDSD) is a widely adopted paradigm that automates software generation by means of model transformations and reuse of development knowledge. The MDSD advantages have motivated the emergence of several modeling proposals and tools related to different application domains.

In MDSD, the quality of conceptual models is critical because it directly impacts the final software systems' quality. Similarly, low-code and no-code platforms rely on models for explicability. Therefore, it is essential to evaluate conceptual models and predict the software products' relevant characteristics. Additionally, MDSD project management must be adapted to consider that programming effort is being replaced by a modelling effort at an earlier stage. Hence, measuring models is crucial to support cost estimation and project management. Moreover, testing models is essential for assessing quality metrics such as coverage and defect rates.

To address these challenges, QUAMES aims to attract research on methods, procedures, techniques, and tools for measuring and evaluating the quality of conceptual models that can be used in MDSD environments. Its main objective is to enable the development of high-quality software systems by promoting quality assurance from a model-based perspective and by exploring the challenges, benefits and lessons learned from conceptual modelling in AI-generated software.

List of Topics
The topics of interest include, but are not limited to:
- Quality models for conceptual models
- Empirical evaluation of quality models
- Metrics, Measures and Measurement of conceptual models
- Defect detection in conceptual models
- Testing of conceptual models
- Model-based testing
- Case studies, experiments, surveys, and experience reports quality and measurement of MDSD projects
- No-Code/Low-Code tools for measuring conceptual models
- Tools for quality evaluation of conceptual models
- Tools for model-based testing
- Quality of conceptual models for ethics and trustworthiness
- AI for conceptual models and conceptual models for AI
- Conceptual models for safety critical systems
- Conceptual models for software quality assurance

Submission Guidelines

Finalized or ongoing research papers concerning the quality, measurement, or testing of models that can be used in MDD environments are welcome for submission. Accepted papers will be published in the joint workshop proceedings of the ER conference. Papers can be accepted as full papers or short papers, with no more than 16 pages for full papers and no more than 10 pages for short papers.

Submissions to QUAMES 2025 must be formatted according to the Springer's LNCS submission formatting guidelines (for instructions and style sheets, see https://www.springer.com/gp/computer-science/lncs/conference-proceedings-guidelines).

Papers have to be submitted in PDF format using the EasyChair submission page https://easychair.org/conferences/?conf=er2025 track QUAMES Workshop.

All submissions will be screened by the scientific committee for their appropriateness to the workshop themes and format. Each submission will be reviewed by at least three program committee members. Authors will be guided to fit their presentations to the workshop rules. In case of inconclusive and conflicting review results, internal discussions will be held to decide upon the final acceptance or rejection of a paper.

It is mandatory that at least one author will register and present the paper during the workshop.

Organizing committee
Beatriz Marín, Universitat Politècnica de València, Spain (bmarin@dsic.upv.es)
Clara Ayora, Universidad Castilla–La Mancha, Spain (clara.ayora@uclm.es)
Marcela Ruiz, Zurich University of Applied Sciences, Switzerland (marcela.ruiz@zhaw.ch)

Contact - All questions about submissions should be emailed to the organizing committee.

Important Dates
Abstract deadline: **June 13th, 2025**
Submission deadline: **June 27h, 2025**
Notification: **July 28th, 2025**
Camera-ready deadline: **August 18th, 2025**
Workshop will take place on **October 20-23, 2025**