



MaLTeSQE 2016

Machine Learning Techniques for Software Quality Evaluation

@ the 18th KKIO Software Engineering Conference
Wroclaw, Poland, September 15-17, 2016
Conference website: <http://kkio.pti.org.pl>

Workshop Organizers

Co-chairs:

Full names: Francesca Arcelli Fontana*, Bartosz Walter**, Marco Zanoni*

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Objectives and topics

In recent years we have been observing a rising interest in adopting various approaches to support machine learning and decision-making processes in several areas of software engineering. These models and algorithms help to reduce effort and risk related to human judgment in favor of automated systems, which are able to make informed decisions based on available data and evaluated with objective criteria.

Software quality is the area that deserves particular attention. At all levels: source code quality, process quality and the quality of entire systems, researchers are still looking for new, more effective methods of assessing various qualitative characteristics.

The aim of the workshop is to provide an overview of emerging trends in applying machine learning approaches to software quality evaluation.

Topics of interest include, but are not limited to:

- Application of machine-learning in software evaluation
- Analysis of multi-source data
- Knowledge acquisition from software repositories
- Adoption and validation of machine learning models and algorithms in software engineering
- Decision support and analysis in software engineering
- Predicting models in software engineering

Important dates:

- Submission of papers: **10.04.2016**
- Notification of acceptance: **09.05.2015**
- Camera-ready papers: **23.05.2016**
- Registration early (due): **30.06.2016**
- Registration late (due): **15.08.2016**
- Conference: **15-17.09.2016**

Tentative list of PC members:

- Francesca Arcelli Fontana
- Steve Counsell
- Jens Dietrich
- Lech Madeyski
- Mirosław Ochodek
- Haidar Osman
- Fabio Palomba
- Bartosz Walter

- Aiko Yamashita
- Marco Zanoni

Submission:

We invite submissions of papers related to all the topics of interest of the special session / workshop. All contributions must be original, not published, accepted or submitted for publication elsewhere. All papers will be subjected to peer review. Papers should not exceed 10 pages in respective format of the publisher.

All accepted papers submitted for main track of the conference, special sessions, and workshops will be published in one of the following books:

- Volume of **Advances in Intelligent Systems and Computing, Springer**, 2016, edited by L. Madeyski, M. Śmiałek, B. Hnatkowska, and Z. Huzar. The books of this series are submitted by Springer to ISI Proceedings, EI-Compendex, DBLP, SCOPUS, Google Scholar and Springerlink;

Authors of selected papers will be invited to submit a revised and extended version of their papers for possible inclusion in one of the following journals:

- a special issue of the **International Journal of Software Engineering and Knowledge Engineering** (IF=0.362) <http://www.worldscientific.com/worldscinet/ijseke>
- **e-Informatica Software Engineering Journal** <http://www.e-informatyka.pl/wiki/e-Informatica>