

SATToSE 2015 – Call for Papers

*Eighth Seminar on Advanced Techniques & Tools
for Software Evolution*

6–8 July 2015 – Mons (Belgium)
<http://sattose.org/2015>



OVERVIEW

SATToSE is the Seminar Series on Advanced Techniques & Tools for Software Evolution. Its 8th edition takes place in Mons (Belgium) from Monday 6 till Wednesday 8 July 2015. In 2015, Mons is the European Capital of Culture.

Contributions are solicited on all aspects of software and model evolution, practices and technologies. In particular, we encourage submissions about the following (non-exhaustive) list of topics:

- Formalisms, notations, theories, methods, and languages for expressing software evolution
- Supporting tools, processes, and models for managing software evolution
- Industrial needs, case studies and experiences
- Software analytics and visualisation techniques to support software evolution
- Empirical studies in evolution and maintenance
- Program transformation, refactoring, renovation and migration
- Program and/or data reverse engineering
- Evolution of data-intensive or process-intensive systems
- Model-driven software evolution
- Conformance checking, inconsistency management, synchronisation, differencing, comparison, versioning, impact analysis of evolving models
- Software evolution for emerging paradigms
- Coupled evolution of meta-models, models and transformations
- Mega-modelling evolution, and evolution of mega-models
- Classification of (co-)evolution scenarios
- Reliability and security aspects of software (co-)evolution
- Negative research results in software evolution

INVITED TALKS

Anita Sarma (University of Nebraska, Lincoln): *Managing Socio-Technical Dependencies in Distributed Software Development*

Martin Pinzger (University of Klagenfurt): *The Knowledgeable Software Engineer*

TUTORIALS

Gregorio Robles (Universidad Rey Juan Carlos): *The MetricsGrimoire toolset – a mature, industrial-strength toolset to obtain data from software repositories*

Massimiliano Di Penta (University of Sannio): *Empirical Software Engineering*

HACKATHON

This year's hackathon will expose participants to methods and tools an empirical software engineering researcher may expect to encounter in her daily life. Among others, we will cover techniques related to mining and statistically analysing data from multiple online repositories (e.g., GitHub), and methods to centrally administer one's presence online (e.g., how to make updates simultaneously to all your LinkedIn, Stack Exchange, Twitter, SlideShare, ResearchGate, Academia.edu, Skype, and Facebook profiles after you change affiliation)

ABOUT SATToSE

The goal of SATToSE is to gather both undergraduate and graduate students to showcase their research, exchange ideas, improve their communication skills, attend and contribute technology showdown and hackathons – and to interact with senior

members of the research community. Past editions of SATToSE saw presentations on software visualisation techniques, tools for co-evolving various software artefacts, their consistency management, runtime adaptability and context-awareness, as well as empirical results about software evolution. SATToSE will host invited talks, submitted talks, tutorials and a hackathon, and will foster interactions among the participants, stimulating lively debates and discussions around the topics of interest of the event. We expect attendees to be active participants and not just passive listeners – presenters should be open to and encourage questions and discussions during their talks.

SUBMISSION GUIDELINES

Contributions are managed through EasyChair¹ There are three kinds of contributions:

- work in progress presentations (2–4 pages) – early ideas and achievements that you want to share with the community and get feedback on
- publication summaries (2–4 pages) – overview of research results already published or ready to be submitted to a conference or a journal
- technology showdown demonstrations (1 page) – technical explanation of important features of your framework, library or tool

To submit your contribution, please specify:

- title of the presentation
- list of author(s)
- extended abstract of your presentation
- desired category of your work

Contributions should be formatted in the CEUR WS one column style with page numbers. See LaTeX style file, example PDF, example LaTeX file, readme/overview.

All submissions will be screened for scope and compatibility by the program committee. All contributions accepted for presentation will receive 10–30 minutes during the event

for presentation and discussion, as well as a chance to be updated after the event (to a 5–10 pages paper), to be subsequently reviewed and published in a CEUR WS volume.

All the presented slides and pointers to related resources will be collected and will be made available.

IMPORTANT DATES

- Submission deadline: 2015–05–01
- Notification of acceptance: 2015–05–15
- Early registration deadline: 2015–06–01
- Closing of all registrations: 2015–06–22
- Workshop: 2015–07–06 to 2015–07–08

ORGANISATION

General Chair Tom Mens (University of Mons, Belgium)

Program Chair Anya Helene Bagge (University of Bergen, Norway)

Hackathon Chair Bogdan Vasilescu (UC Davis, USA)

Local Organisation Mathieu Goeminne

PROGRAM COMMITTEE

- Anya Helene Bagge (chair), Universitetet i Bergen, Norway
- Andrea Caracciolo, University of Bern, Switzerland
- Marianne Huchard, Université Montpellier 2, France
- Csaba Nagy, Université de Namur, Belgium
- Coen De Roover, Vrije Universiteit Brussel, Belgium
- Davide Di Ruscio, Università degli Studi dell’Aquila, Italy
- Alexander Serebrenik, Technische Universiteit Eindhoven, Netherlands
- Bogdan Vasilescu, University of California, Davis, USA
- Vadim Zaytsev, Universiteit van Amsterdam, Netherlands

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¹<https://www.easychair.org/conferences/?conf=sattose2015>