



22nd IEEE International Conference on Software Analysis, Evolution, and Reengineering (SANER)

Polytechnique Montréal, Québec, Canada

<http://saner.polymtl.ca/> March 2–6, 2015

General Chair

Yann-Gaël Guéhéneuc
Polytechnique Montréal, Québec, Canada

Program Chairs

Bram Adams
Polytechnique Montréal, Québec, Canada
Alexander Serebrenik
Eindhoven University of Technology, The Netherlands

ERA Track Chairs

Naouel Moha
Université du Québec à Montréal, Québec, Canada
Nikolaos Tsantalis
Concordia University, Montréal, Québec, Canada

Doctoral Symposium Chairs

Ralf Lämmel
Universität Koblenz-Landau, Koblenz, Germany
Peter C. Rigby
Concordia University, Montréal, Québec, Canada

Tutorials Chairs

Jens Krinke
University College London, London, United Kingdom
Bonita Sharif
Youngstown State University, Youngstown, Ohio, U.S.A.

Industrial Track Chairs

Foutse Khomh
Polytechnique Montréal, Québec, Canada
Wahab Hamou-Lhadj
Concordia University, Montréal, Québec, Canada

Workshops Chairs

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Francesca Arcelli Fontana
University of Milano Bicocca, Italia

Tools Track Chairs

Emily Hill
Montclair State University, New Jersey, U.S.A.
Foutse Khomh
Polytechnique Montréal, Québec, Canada

International Research Panel Chairs

Jane H. Hayes
University of Kentucky, Lexington, Kentucky, U.S.A.
Marianne Huchard
Université de Montpellier, Montpellier, France

Local Chairs

Giuliano Antoniol
Polytechnique de Montréal, Québec, Canada
Ghizlane El Boussaidi
École de Technologie Supérieure, Montréal, Québec, Canada

Publicity Chair

Veronika Bauer
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Finance Chairs

Elliot J. Chikofsky
Engineering, Management & Integration
Hausi A. Müller
University of Victoria, British Columbia, Canada

Important Dates

- **Abstracts:** November 7, 2014
- **Submissions:** November 14, 2014
- **Notifications:** December 15, 2014
- **Camera-ready:** January 14, 2015

Co-located events

- IWSC
- OOPLSE
- PCODA
- PLOW
- PPAP
- SQM

SANER promotes **discussion and interaction** among researchers and practitioners about the development of maintainable systems, and the improvement, evolution, migration, and reengineering of existing systems. It also explores innovative methods of extracting the many kinds of information of interest to software developers and examines innovative ways of using this information to renovate and understand systems.

SANER joins the **Working Conference on Reverse Engineering (WCRE)** series, the premier conference series on the theory and practice of recovering information from existing software and systems, and the **European Conference on Software Maintenance and Reengineering (CSMR)** series, the premier conference series on the theory and practice of maintenance, reengineering, and evolution of software systems.

SANER will feature **technical research paper sessions, workshops, tutorials, an early research achievements track, an industry paper track, a tool demonstration track, a doctoral symposium, and a special track on international research projects** within the field of software maintenance and reengineering. Topics of interest include:

- Empirical studies in reverse engineering
- Binary reverse engineering
- Program analysis and slicing
- Re-documenting legacy systems
- Reengineering patterns
- Model-driven reengineering
- Program transformation and refactoring
- Reengineering of legacy systems
- User-interface reengineering
- Reengineering to distributed systems
- Reengineering to cloud-based systems
- Mining software repositories
- Software architecture recovery
- Visualization techniques and tools
- Program Comprehension
- Concept, feature, and service location
- Object and aspect identification
- Dynamic analyses for reengineering
- Data reverse engineering
- Reverse engineering for security
- Reverse engineering tool support
- Education in reverse engineering
- Performance re-engineering
- Software quality
- Search-based software engineering
- Evolution in/of the cloud

Submitted papers should describe **original**, unpublished, and significant work and must have been neither previously accepted for publication nor concurrently submitted for review in another journal, book, conference, or workshop. If a paper is accepted, at least **one of its authors must attend the conference and present the paper.**

Papers must conform to the IEEE proceedings paper format guidelines. Accepted papers will appear in the **IEEE Digital Library**. Paper submissions, not exceeding 10 pages, must be uploaded in PDF through **EasyChair** (see the **Web site**) by November 14, 2014 AoE (abstracts are due one week earlier on November 7, 2014 AoE).

All papers will be reviewed by at least **three members of the program committee** to facilitate comprehensive and open-minded online decisions. Authors of selected papers from the research track will be invited to submit extended versions of their work to a **special issue of Wiley's Journal of Software: Evolution and Process (JSEP)**.



