October 17th - 20th, 2011

WCRE 2011

18th Working Conference on Reverse Engineering

Lero, Limerick, Ireland

General chairs
Jim Buckley
University of Limerick, Ireland
Elliot Chikofsky
Engineering Management & Integration, USA

Program chairs
Martin Pinzger
Delft University of Technology, The Netherlands
Denys Poshyvanyk
The College of William and Mary, USA

Doctoral symposium
Michele Lanza
University of Lugano, Switzerland
Radu Marinescu
University of Timisoara, Romania

Workshop chairs
Michael Collard
The University of Akron, USA
Jens Knodel
Fraunhofer IESE, Germany

Tool demo chairs
Mircea Lungu
University of Berne, Switzerland
Huzefa Kagdi
Winston-Salem State University, USA

Publicity chair
Michaela Greiler
Delft University of Technology, The Netherlands

WCRE is the premier research conference on the theory and practice of recovering information from existing software and systems. WCRE explores innovative methods of extracting the many kinds of information that can be recovered from software, software engineering documents, and systems artifacts, and examines innovative ways of using this information in system renovation and program understanding.

We invite original, highquality research papers in all areas of software maintenance, evolution, reengineering, and migration. Topics of interest include, but are not limited to:

- Program comprehension
- Mining software repositories
- Empirical studies in reverse engineering
- Concept and feature location
- Binary reverse engineering
- Redocumenting legacy systems
- Model-driven reengineering
- User interface reengineering
- Wrapping techniques
- Preprocessing, parsing and fact extraction
- Reverse engineering tool support
- Reverse engineering of service-oriented systems
- Reengineering to distributed architectures
- Software architecture recovery
- Visualization techniques and tools
- Object and aspect identification
- Program analysis and slicing
- Reengineering patterns
- Program transformation and refactoring
- Dynamic analysis
- Data reverse engineering
- Reverse engineering for security assessment
- Education in reverse engineering
- Performance reengineering

Research Papers: Submissions should describe original, unpublished and significant work in the research and practice of reverse engineering. Papers can be either full papers limited to 10 proceeding pages or short papers limited to 5 pages. Full papers should describe significant reasearch that advances the state-of-the art in reverse engineering. Short papers should describe research and cutting-edge ideas in early stages of development. **Abstracts: June 20; Submission: June 27.**

Industrial/Experience Reports: We invite submissions of reports and position papers that describe successful stories and failure stories of the application of reverse engineering/reengineering techniques in an industrial context and the lessons learned from that. **Submission: July 6.**

Tool Demonstrations: Tools are central to research in reverse engineering and proposals for tool demonstrations are very welcome. Demonstrations will have a formal presentation, and will also be in an open session to allow individual interaction with the participants. **Submission: July 6.**

Doctoral Symposium: The symposium offers a unique opportunity to present proposed research directions, results obtained thus far, and plans towards the completion of the PhD studies. We invite submissions from youg researchers at all stages of their PhD studies. **Submission: July 6.**

Workshops: WCRE provides the opportunity to organize full and half day workshops devoted to a reverse engineering or reengineering topic. Workshops are characterized by a focused topic, lively discussion, and enthusiastic participants. All accepted workshops will be held in coordination with the research track. **Submission: July 6.**

Reegineering Forum

IEEE computer society

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http://www.cs.wm.edu/semeru/wcre2011