The Working Conference on Reverse Engineering (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, high-quality 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

Technical Papers

Technical papers should describe original 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. Papers must not have been previously published nor have been submitted to, or be in consideration for, any journal, book, or other conference. Papers will be evaluated by members of the program committee based on their originality, technical soundness and quality of presentation. Papers must conform to the IEEE proceedings paper format guidelines. If the paper is accepted, at least one author is expected to attend the conference and to present the paper. WCRE accepted papers will appear in the IEEE Digital Library.

Special Tracks

WCRE foresees the submission of tool demonstration proposals, industry/experience reports and PhD dissertation long abstracts. WCRE welcomes the organization of workshops and tutorials. Further details on special track submissions can be found on the WCRE website.

A special issue of the Empirical Software Engineering journal will feature extended, revised versions of the best papers accepted at WCRE 2010.

Important Dates

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More info at: http://web.soccerlab.polymtl.ca/wcre2010