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20th IEEE International Conference on Program Comprehension

June 11-13, 2012
Passau, Germany

<http://icpc12.sosy-lab.org>

Deadlines

Technical Papers

Abstracts Feb 13, 2012
Full papers Feb 20, 2012
Notification Mar 23, 2012

Posters & Tool Demonstrations

Submissions Mar 30, 2012
Notification Apr 15, 2012

Industrial Track

Submissions Feb 20, 2012
Notifications Mar 23, 2012

Student Research Symposium

Submissions Mar 30, 2012
Notification Apr 15, 2012

General Chair

Dirk Beyer
University of Passau

Program Co-Chairs

Arie van Deursen
Delft University of Technology,
Netherlands
Michael W. Godfrey
University of Waterloo, Canada

The IEEE International Conference on Program Comprehension (ICPC) is the principal venue for works in the area of program comprehension, which encompasses both the human activity of comprehending software, as well as the processes and technologies for supporting it. ICPC 2012 promises to provide a quality forum for researchers and practitioners from academia, industry, and government to present and to discuss state-of-the-art results and best practices in the field of program comprehension.

ICPC 2012 solicits technical research papers (full and short), tool demonstration papers, industrial experience papers, and student research symposium papers. Topics of interest include but are not limited to:

- Cognitive theories for program comprehension, including experiments and case studies
- Individual, team, collaborative, distributed, and adversarial program comprehension
- Comprehension of specific types of software systems, such as web-based systems, open source, mash-ups, legacy systems, product lines, and systems of systems
- Comprehension in the context of diverse software process models and specific lifecycle activities, such as: maintenance, reengineering, migration, security, auditing, and testing
- Novel interfaces to support program comprehension, including searching, browsing and visualization
- Empirical evaluations of program comprehension tools, techniques, and approaches
- Comprehension and legal issues, such as due diligence, intellectual property, reverse engineering, and litigation
- Issues and case studies in the transfer of program comprehension technology to industry
- Tool support for program comprehension

Submissions must not have been previously published or be currently under consideration for publication elsewhere.

The best full research papers at ICPC 2012 will be invited to be revised and extended for consideration in a journal special issue.

All accepted papers will get a presentation slot. Additionally, authors of accepted short papers, tool demonstration papers, and student papers will be expected to prepare a poster for a combined poster session.

Submission requirements can be found at icpc12.sosy-lab.org.