



12th IEEE International Working Conference on Source Code Analysis and Manipulation (SCAM 2012)

23rd – 24th, September 2012

Riva del Garda, Italy

<http://www2012.ieee-scam.org/>

Co-located with: 28th IEEE International Conference on Software Maintenance (ICSM 2012)

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CONFERENCE AIMS:

The aim of this working conference is to bring together researchers and practitioners working on theory, techniques and applications, which concern analysis and/or manipulation of the source code of computer systems. While much attention in the wider software engineering community is properly directed towards other aspects of systems development and evolution, such as specification, design and requirements engineering, it is the source code that contains the only precise description of the behavior of the system. The analysis and manipulation of source code thus remains a pressing concern.

COVERED TOPICS AND PAPER FORMATS:

We welcome submission of 10-page research papers that describe original and significant work in the field of source code analysis and manipulation. Topics of interest include, but are not limited to:

- program transformation
- abstract interpretation
- program slicing
- source level software metrics
- decompilation
- source level testing and verification
- source level optimization
- program comprehension

SCAM explicitly solicits results from any theoretical or technological domain that can be applied to these and similar topics.

We also welcome 6-page tool papers that introduce tools for source code analysis and manipulation. Tool papers should describe a concrete source code analysis or manipulation tool that is available for download and general use and can be run and demonstrated at the conference.

All papers submitted should follow IEEE Computer Society Press Proceedings Author Guidelines. Papers should be submitted electronically in PDF form via the conference web site. Submitted papers must not have been previously published or concurrently submitted for consideration elsewhere.

In addition to the main and tool tracks, SCAM 2012 solicits 2-page Frontiers position papers describing a significantly new idea in the theory, technology, application or engineering of source code analysis and manipulation systems. Frontiers authors will join in an open panel discussion of the frontiers of the area at the conference.

PROCEEDINGS:

All accepted papers will appear in the proceedings which will be published by the IEEE Computer Society Press. Best papers from SCAM 2012 will be considered for revision, extension, and publication in a special issue of the Journal of Software: Evolution and Process.

TENTATIVE DATES:

Abstract Submission (full and frontier papers): April 29, 2012
Papers submission (full and frontier papers): May 04, 2012
Tool paper submission: May 31, 2012
Notification for full and frontier papers: June 16, 2012
Notification for tool papers: June 21, 2012
Camera ready submission: July 06, 2012

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