CALL FOR PAPERS

Ninth International Conference on

Tools and Algorithms for the Construction and Analysis of Systems

TACAS 2003

A member conference of the European Joint Conferences in Theory and Practice of Software (ETAPS 2003)

7-11 April 2003, Warsaw, Poland (http://www.mimuw.edu.pl/etaps03)

TACAS is a forum for researchers, developers and users interested in rigorously based tools for the construction and analysis of systems. The conference serves to bridge the gaps between different communities – including but not limited to those devoted to formal methods, software and hardware verification, static analysis, programming languages, software engineering, real-time systems, and communications protocols – that have traditionally had little interaction but share common interests in, and techniques for, tool development. In particular, by providing a venue for the discussion of common problems, heuristics, algorithms, data structures and methodologies, TACAS aims to support researchers in their quest to improve the utility, reliability, flexibility and efficiency of tools for building systems.
Tool descriptions and case studies with a conceptual message and theoretical papers with a clear link to tool construction are all encouraged. The specific topics covered by the conference include, but are not limited to, the following:

- Specification and verification techniques
- Theorem-proving and model-checking
- System construction and transformation techniques
- Static and run-time analysis
- Compositional and refinement-based methodologies
- Testing and test-case generation
- Analytical techniques for real-time, hybrid and safety-critical systems
- Tool environments and tool architectures
- Applications and case studies

As TACAS addresses a heterogeneous audience, potential authors are strongly encouraged to write about their ideas in general and jargon-independent, rather than application – and domain-specific, terms.

Authors reporting on tools or case studies are strongly encouraged to indicate how their experimental results can be reproduced and confirmed independently.

Submission Guidelines

As with other ETAPS conferences, TACAS accepts two types of contributions:
• Research papers (up to 15 pages) cover one or more of the topics above, including tool development and case studies from a perspective of scientific research. Research papers are evaluated by the TACAS Program Committee. See http://www.inrialpes.fr/vasy/tacas03 for details.

• Tool demonstration papers (up to 4 pages) present tools based on aforementioned technologies (e.g., theorem-proving, model-checking, static analysis, or other formal methods) or fall into the above application areas (e.g., system construction and transformation, testing, analysis of real-time and hybrid systems, etc.). Tool demonstration papers are evaluated by the TACAS Tool Chair with the help of the Program Committee. See http://www.mimuw.edu.pl/etaps03/TOOL-DEMO-SUBMISSIONS-URL for details.

Both types of contributions will appear in the proceedings and be allocated thirty-minute slots during the conference.

In brief, submitted papers must
• be in English
• present original research which is unpublished and not submitted elsewhere
• use the Springer-Verlag LNCS style (see http://www.springer.de/comp/lncs/authors.html)
• be submitted electronically in Postscript/PDF format

Submissions deviating from these instructions may be rejected without review.
Any question regarding this policy should be directed to the Conference Co-chairs prior to submission.

Invited Speaker

Peter Lee
School of Computer Science
Carnegie Mellon University, USA
http://www-2.cs.cmu.edu/~petel/

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Important Dates

TACAS is a member conference of ETAPS. ETAPS 2003 conferences and other satellite events will be held April 5-13, 2003.

As a part of ETAPS, TACAS adheres to ETAPS submission and notification deadlines.

October 18, 2002	Submission deadline
December 13, 2002	Notification of authors
January 17, 2003	Final version due
April 7-11, 2003	TACAS 03 Conference

Further Information

http://www.inrialpes.fr/vasy/tacas03
http://www.mimuw.edu.pl/etaps03

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