

5th International Verification Workshop (VERIFY'08)

What are the verification problems? What are the deduction techniques?

in connection with IJCAR 2008

August 10–11, 2008, Sydney, Australia

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Extended Abstract Submission deadline

May 29, 2008

Extended Paper Submission deadline

June 5, 2008

Notification of acceptance

June 30, 2008

Final version due

July 15, 2008

Workshop

August 10–11, 2008

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CALL FOR PAPERS

The formal verification of critical information systems has a long tradition as one of the main areas of application for automated theorem proving. Nevertheless, the area is of still growing importance as the number of computers affecting everyday life and the complexity of these systems are both increasing. The purpose of the VERIFY workshop series is to discuss problems arising during the formal modeling and verification of information systems and to investigate suitable solutions. Possible perspectives include those of automated theorem proving, tool support, system engineering, and applications.

The VERIFY workshop series aims at bringing together people who are interested in the development of safety and security critical systems, in formal methods, in the development of automated theorem proving techniques, and in the development of tool support. Practical experiences gained in realistic verifications are of interest to the automated theorem proving community and new theorem proving techniques should be transferred into practice. The overall objective of the VERIFY workshops is to identify open problems and to discuss possible solutions under the theme

What are the verification problems? What are the deduction techniques?

The scope of VERIFY includes topics such as

- ATP techniques in verification
- Case studies (specification & verification)
- Combination of verification systems
- Integration of ATPs and CASE-tools
- Compositional & modular reasoning
- Experience reports on using verification
- Gaps between problems & techniques
- Formal methods for fault tolerance
- Information flow control
- Refinement & decomposition
- Reliability of mobile computing
- Reuse of specifications & proofs
- Management of change
- Safety-critical systems
- Security models
- Tool support for formal methods

Submissions are encouraged in one of the following two categories:

A. Regular paper: Submissions in this category should describe previously unpublished work (completed or in progress), including descriptions of research, tools, and applications. Papers must be formatted following the Springer LNCS guidelines and be 6-15 pages long.

B. Discussion papers: Submissions in this category are intended to initiate discussions and should address controversial issues, and may include provocative statements. Papers must be formatted following the Springer LNCS guidelines and be 3-15 pages long.

Submission of papers is via EasyChair at:

<http://www.easychair.org/conferences/?conf=verify08>.

The workshop proceedings will be distributed at the workshop as a collection of the accepted papers; they will also be made available as CEUR Workshop Proceedings.