

CALL FOR PAPERS: TPHOLs 2002

The 15th International Conference on Theorem Proving in Higher Order Logics

Hampton, Virginia, USA

Tuesday 20 August - Friday 23 August 2002

<http://shemesh.larc.nasa.gov/tphols2002>

tphols2002@larc.nasa.gov

The 2002 International Conference on Theorem Proving in Higher Order Logics will be the fifteenth in a series that dates back to 1988. The conference will be held Tuesday 20 August through Friday 23 August, 2002, at the Radisson Hotel, Hampton, Virginia, USA.

Topics

The programme committee welcomes submissions on all aspects of theorem proving in higher order logics, and on related topics in theorem proving and verification. This includes, but is not limited to, the following topics:

- Hardware and software verification, refinement, and synthesis
- Verification of security and communications protocols
- Formal specification and requirements analysis of systems
- Industrial applications of theorem provers
- Advances in theorem prover technology
- Comparisons of various approaches to theorem proving
- Proof automation and decision procedures
- Incorporation of theorem provers into larger systems
- Combination of theorem provers with other provers and tools
- User interfaces for theorem provers
- Development and extension of higher order logics

Submission

Submissions are invited in the following categories:

- Category A: Full research paper
- Category B: Work in progress report

Submissions under category A will be fully refereed, and accepted papers will be published as a volume of Springer-Verlag's Lecture Notes in Computer Science series which will be available at the conference. Authors of accepted papers are expected to present their work at the conference.

Submissions under category B will not be formally refereed, but their content and relevance will be reviewed. Those submissions accepted will be published as a NASA technical report, which will be available at the conference. Authors of accepted papers are expected to present a brief outline of their work at the conference and to prepare a poster for display at the conference venue. Unless otherwise requested, submissions rejected under category A will also be considered for inclusion under category B.

Deadlines and Submission Procedure

| | Category A | Category B |
|-----------------------------|-------------|-------------|
| Submission deadline: | 22 Feb 2002 | 17 May 2002 |
| Notification of acceptance: | 22 Apr 2002 | 17 Jun 2002 |
| Camera-ready copy due: | 24 May 2002 | 5 Jul 2002 |

Papers should be no more than 16 pages in length and should be written using LaTeX2e and the LNCS style file (<http://www.springer.de/comp/lncs/authors.html>). The TPHOLs web page should be consulted for further details on preparation and electronic submission <http://shemesh.larc.nasa.gov/tphols2002>.

Programme Committee

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|------------------------------------|--------------------------------------|
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| Sofiene Tahar (Concordia U.) | Wai Wong (Hong Kong Baptist U.) |

Conference Organization

The conference is being organized jointly by the NASA Langley Research Center, ICASE, and Concordia University. The organizing committee is as follows:

Conference Chair: Víctor Carreño (v.a.carreno@larc.nasa.gov), NASA Langley
Programme Co-Chair: César Muñoz (munoz@icase.edu), ICASE
Programme Co-Chair: Sofiène Tahar (tahar@ece.concordia.ca), Concordia University
Local Arrangements: ICASE - NASA Langley (tphols2002@larc.nasa.gov)