CALL FOR PAPERS

Formal Techniques for Networked and Distributed Systems

FORTE 2002

November 11 – 14 , 2002, Houston, Texas

`http://www.ece.utexas.edu/FORTE`

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The IFIP TC6 WG 6.1 Joint International Conference on Formal Techniques for Networked and Distributed Systems (FORTE) is focused on formal methods for communication protocols. FORTE is the new name of the joint FORTE/PSTV meeting, which has combined FORTE and PSTV into a single joint meeting since 1997. The conference will include invited talks and tutorials by Edmund M. Clarke, David Harel, Dave Johnson, Dan Wallach and Elaine J. Weyuker.

The conference is a forum for presentation and discussion of the state of the art in theory, application, tools and industrialization of Formal Description Techniques (FDT's). Research papers and industrial usage reports are solicited, particularly in the following areas:

- FDT-based system and protocol engineering.
- Semantical foundations.
- Extensions of FDT's.
- Formal approaches to concurrent/distributed Object-Oriented systems.
- Real-time and probability aspects.
- Performance modeling and analysis.
- Quality of service modeling and analysis.
- Verification and validation.
- Relations between informal and formal specification.
- FDT based protocol implementation.
- Software tools and support environments.
- FDT application to distributed systems, high speed internet protocols, multimedia and multicast protocols and services.
- FDT application to wireless and mobile communication, intelligent networks, network management, network security and voice services.
- Protocol testing, including conformance testing, interoperability testing, and performance testing.
- Test generation, selection and coverage.
- Practical experience and case studies.
- Corporate strategic and financial consequences of using formal methods.

Paper submission: Submission instruction will be available at the conference web site. Submissions should be received by April 20, 2002. *The deadline is firm; late submissions and papers departing from the submission guidelines will not be considered.* Authors will be notified of acceptance or rejection by June 30, 2002. Accepted papers will be published by Springer Verlag in the *Lecture Notes in Computer Science* series, and are due by August 12, 2002.

The first page of the extended abstract and the cover letter should include the title of the paper, names and affiliations of authors, a brief synopsis (at most 10 lines), keywords, and contact author's name, address, phone number, fax number, and email address. Full original research papers and industrial usage reports should be up to 16 pages, including abstract, names and affiliations of all authors, and a list of keywords facilitating the assignment of papers to referees. For industrial usage reports, short papers up to 8 pages are also welcome. The submission must be in English and provide sufficient detail to allow the program committee to assess the merits of the paper. It should begin with a succinct statement of the issues, a summary of the main results, and a brief explanation of their significance and relevance to the conference, all phrased for the non-specialist. References and comparisons with related work should be included. Technical development directed to the specialist should follow. Submissions departing significantly from these guidelines risk rejection. The results must be unpublished and not submitted for publication elsewhere, including the proceedings of other symposia or workshops.