
CALL FOR PAPERS

FORTE 2003

Application of Formal Description Techniques
in Internet and Communication Domains

IFIP TC 6 / WG 6.1
The 23rd IFIP International Conference
on
Formal Techniques for Networked and Distributed Systems

September 29th - October 2nd, 2003
Berlin, Germany
<http://www.forte2003.de.vu>

Scope and Objectives

FORTE denotes a series of international working conferences on formal description techniques (FDTs) applied to computer networks and distributed systems. The conference series started in 1981 under the name PSTV. In 1988 a second series under the name FORTE was set up. Both series were united to FORTE/PSTV in 1996. Two years ago the conference changed the name to its current form. FORTE provides a forum for researchers and users to review, discuss, and learn about new approaches, concepts, and experiences in the field of formal description techniques and their application.

The 23rd FORTE conference will be held in Berlin. It is organized by the Brandenburg University of Technology Cottbus (BTU Cottbus) and the Berlin University of Technology (TU Berlin). FORTE 2003 is especially dedicated to the application of formal description techniques to practice, especially in the Internet domain. The conference will consist of tutorial sessions on the first day, followed by presentations of reviewed and invited papers, tool demonstrations, and panel and working sessions.

Topics of interest

FORTE'03 will provide a forum for researchers and users to review, discuss, and learn about new approaches, concepts and experiences in the application of formal methods such as finite state machines, process algebras, Petri nets and logics and formal description techniques including SDL, UML, LOTOS, MSC, ASN.1, and others. Topics of interest include, but are not restricted to

- Use of formal methods: FDT based design of communication protocols and distributed systems especially for Internet applications, Formal verification, Performance modeling and analysis, Automatically derived implementations, Test of distributed systems and communication protocols including interoperability tests, performance tests, robustness tests, and test generation procedures, Tool support
- Theoretical aspects of formal methods: New approaches and theories, Extensions of FDTs, Semantic foundations, Real-time and probability aspects
- Practical experience with formal methods: Reports and case studies of the deployment of formal methods and FDTs to the development and validation of distributed systems and communication protocols, in particular in Internet and communication domains.

We strongly encourage the submission of papers with practical applications especially in the areas of multimedia applications, wireless and mobile communication protocols, client/server applications, secure systems/environments, e-business and mobile commerce, and other Internet applications.

Submission policy

Several types of contributions are solicited:

- Full papers - research or practice results (not more than 16 pages)
- Tutorial proposals
- Work in progress papers (not more than 5 pages)
- Tool demonstration proposals

Only original papers, i.e. not submitted nor published elsewhere, should be submitted. Papers should be submitted electronically in PDF format using the following address:

<http://www.forte2003.de.vu/paper>

All accepted full papers will be published in Lecture Notes of Computer Science series of Springer. Work in progress papers will be published in a separate volume at the conference. To facilitate the production of the final proceedings we strongly recommend submissions to follow the Springer style available at <http://www.springer.de/comp/lncs/authors.html>.

Best Paper Award

There will be a best paper award of 500 Euros offered by IFIP TC6 for the author(s) of the best paper selected during the reviewing process.

Important Dates

- March 17th, 2003: Submission deadline for regular papers and tutorials
EXTENDED to March, 24th, 2003 !!!!
- May 22nd, 2003: Notification of acceptance
- June 23rd, 2003: Camera-ready version
- May 19th, 2003 Submission deadline for work-in-progress papers

Conference Chairs

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- Monika Heiner, BTU Cottbus
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Further Information

- FORTE Web site: <http://www.forte2003.de.vu>
- IFIP Web site: <http://www.ifip.or.at/>
- For questions: forte2003-org@informatik.tu-cottbus.de