Call for Papers

26th IFIP WG 6.1 International Conference on

Formal Methods for Networked and Distributed Systems
FORTE 2006
September 26-29 2006, Paris, France
Special focus on verified middleware and distributed services

http://forte2006.cnam.fr

The 26th FORTE conference will take place in Paris in the buildings of the CNAM (Conservatoire National des Arts et Métiers http://www.cnam.fr) localized in the center of Paris. FORTE'06 is organized by the multi research laboratories group MeFoSyLoMa http://mefosyloma.cnam.fr and is dedicated to formal description techniques and their application to distributed systems and cooperating applications. The focus of FORTE'06 is on the construction of middleware and services using formalized and verified approaches. In addition to the classical protocol specification, verification and testing problems, Forte'06 will address the issues of composition of protocol functions and of algorithms for distributed systems. Contributions on the issues of composing and orchestrating services are also encouraged. The conference will consist of tutorial sessions on the first day (Tuesday September 26th) followed by presentations of reviewed and invited papers, tool demonstrations, panel and working sessions (Wednesday 27, Thursday 28 and Friday 29). The proceedings will be published by Springer-Verlag in the Lecture Notes in Computer Sciences series.

Schedule

10 April 2006	Short abstract submission deadline
18 April 2006	Paper submission deadline
5 June 2006	Notification to authors
25 June 2006	Camera-ready version
September 26th - 29th, 2006	Conference

Topics

The aim of FORTE 2006 is to provide a forum for researchers and users to review, discuss, and learn about new approaches, concepts and experiences in the application of formal methods for the specification and the verification of distributed systems and applications. Formal description techniques include (but are not limited to) SDL, UML notations, Domain Specific Languages (DSLs), LOTOS, MSC, Promela, etc.. Contributions on formal paradigms based on finite state machines, process algebras, Petri nets, logics or timed automata, etc are also encouraged. The application domains include networking, telecommunication services, internet, embedded systems, real time systems, transport systems, networked games, web based systems and services, etc.Topics of interest include, but are not restricted to :

- *Use of formal methods*: formally based design of communication protocols, formal verification, composition of protocols, definition and verification of design patterns, integration of protocol functions into middleware, distributed systems, automatically derived

implementations, transformation based development, composition, interaction and orchestration of services, 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 description techniques, semantic foundations, real-time and probability aspects, semantics of domain specific languages, semantical foundations for UML notations

- ***Practical experience with formal methods***: reports and case studies of the use of formal methods and description techniques in the development and the validation of distributed systems

Submissions

Authors are invited to submit either regular (16 pages) or short papers (5 pages) that should be formatted according to Springer-Verlag LNCS guidelines. All papers must be in English, clear, complete and must be original contributions. Short papers are either devoted to describing work in progress or to the presentation and evaluation of tools. Practical experience papers can be either long or short. All submissions will be evaluated by the program committee for inclusion in the proceedings, which will be published Springer-Verlag in the Lecture Notes in Computer Sciences series. Authors are required to submit a paper title and a short abstract not exceeding 200 words at the conference web site no later than April 10th, 2006.

Organizers

General chair
Véronique Viguié Donzeau-Gouge, CEDRIC-CNAM, France

Program chair
Elie Najm, ENST, France
Jean-François Pradat-Peyre, CEDRIC-CNAM, France

Organization committee

Christine Choppy, LIPN Univ. Paris-Nord	Christophe Pajault, CEDRIC-CNAM
Joyce El Haddad, Lamsade Univ. Paris Dauphine	Pierre Rousseau, CEDRIC-CNAM
Sami Evangelista, CEDRIC-CNAM	Emanuel Paviot, LIP6 Univ. Pierre et Marie Curie