



NOTERE 2008

8th International Conference on New Technologies of Distributed Systems

<http://liris.cnrs.fr/notere08>

June 23-27, 2008, Lyon, France

CALL FOR PAPERS

*** All accepted papers will be included in ACM Digital Library ***

*** Proceedings will be printed with an ACM ISBN ***

*** Best papers will be considered for publication in national and international journals ***

The International Conference on New Technologies of Distributed Systems (NOTERE) is a bilingual (French/English) forum for engineers and scientists in academia, industry and government to present the recent advances and latest research result in the design, implementation, deployment, and evaluation of distributed system platforms, applications and architectures. Following the past conferences in this series (Pau, Montreal, Paris, Saadia, Gatineau, Toulouse, Marrakech), the 8th edition of NOTERE will be Held in Lyon in France.

Scope

Software has been evolving from pre-defined, monolithic, centralized architectures to increasingly decentralized, distributed, dynamically composed federations of components. New applications, such as global supply-chain management and complex health-care systems, impose major research challenges in integration, interoperability, discovery, negotiation, collaboration, and optimization. Distributed and mobile collaboration technologies are beginning to allow people to move across organizational boundaries and to interact within and across organizations as well as communities, creating virtual communities or so-called "social networks". These virtual systems require sophisticated collaboration functionalities. Service-oriented architectures are emerging as a possible solution to build smart networks and enable grid and on-demand computing. The fast evolution of wireless technologies drives demand to extend interaction between users and mobile devices to the interaction with objects and services in the everyday world, opening thus the opportunity for context-aware and ubiquitous computing. Wireless Internet, mobile ad-hoc and sensor networks are seen as new platforms for future distributed and pervasive systems, exacerbating in turn the problems of privacy and security. Software processes are evolving from pre-specified sequential work-flows to decentralized and multi-organization collaborative endeavors.

Business environments demand increased flexibility, dependability, fault-tolerance, and autonomy of involved heterogeneous systems.

Topics of Interest

NOTERE 2008 solicits research submissions on all topics related to New technologies for distributed systems, including but not limited to the following list:

- Internet Computing, Web applications and Web services
- Scalable and Reliable Distributed Servers
- Distributed and modular Ontologies
- Collaborative applications, Distributed and Mobile Collaboration
- Operating systems and Middleware
- Distributed algorithms
- Communication protocols and architectures
- Event-based, Publish/Subscribe and Message-Oriented Middleware
- Existing paradigms revisited: object, component, aspect, agent
- Privacy, Trust, and Security in Distributed Systems
- Context Awareness and Self-Adaptation, Fault-Tolerance and dependability
- Sensor networks and Ubiquitous computing
- Peer to Peer systems, Wireless, Mobile ad Hoc Networks
- Distributed data management, Policy-Based management
- Multi Agents system
- Formal methods and tools, UML/sys UML
- Industrial experiences with Web technologies

Submission Guideline

Authors are invited to submit original papers in any of the areas listed above. Papers in English or French are solicited. Papers must respect the ACM proceedings format. Word and Latex templates are provided at the conference Web site. All papers must be submitted online in PDF or PS format. The length of the paper must not exceed 12 pages (Long paper) and 6 pages (Short paper). Electronic submission of abstracts is

required. Submitted papers will be evaluated by three reviewers. Acceptance will be based on relevance, technical soundness, originality, and clarity of presentation. At least one author of an accepted paper is expected to attend the conference to present the paper. Selected papers from the conference will be considered for publication in an national and international journals [to be specified shortly].

Conference Chair

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Thierry Villemur, Toulouse University, France

Important dates

Abstract Submission	January 6, 2008
Paper Submission	January 13, 2008
Notification	March 1, 2008
Camera-ready Submission	March 10, 2008

Demo chair

Christelle Vangenot, EPFL, Switzerland

Local Chair

Chirine Ghedira, University of Lyon, France

Nabila Benharkat, INSA of Lyon, France

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