

Program committee

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Alexander Mitrofonov, BHSAL, Frederick, U.S.A.

Important Dates

Paper submission: March 01, 2013
Notification of acceptance: April 01, 2013
Camera ready/Registration: April 10, 2013
Workshop: May 5-6, 2013.

Sponsors

Different scientific institutes, socio-economical organizations and regional and national industrial enterprises.

Web Sites

<http://www.univ-bejaia.dz> (Laboratoire LAMOS)
<http://www.lamos.org>.

Contacts

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LAMOS
Laboratory of Modeling
and Optimization of Systems

Department of Operational
Research

International Workshop



Performance Evaluation and Quality of Service



May 05 – 06, 2013 Béjaïa, Algeria



Presentation

The computer systems and communication networks (Internet, mobile networks, ad hoc networks, sensor networks,...) have recently seen a growth period ever in history. Their evolution allows an implementation of sophisticated parallel and distributed architectures, incorporating both the distributed processing and the exchange of the information between these processes. These networks are more and more complex; thus, the modeling and the performance evaluation play a crucial role in their design process to ensure their effective deployment and their exploitation in the practice.

Since more than twenty years, the **LAMOS** laboratory interested to this issue. By 1988, the dependability was addressed in the National Conference **MFSI** (*Modèles de Fiabilité et Sciences de l'Ingénieur*, Béjaïa – March 1988). Furthermore, other topics, specific to the computer systems and telecommunication networks, were integrated into the program of the International Conferences **MOAD** (*Méthodes et Outils d'Aide à la Décision*, especially those of Béjaïa 1992 and 2007).

Objectives

This Workshop aims to bring together experts in the field and young researchers, interested in the optimization and the performance of the network systems, to share and exchange experiences, discuss related challenges, report the state of the art and the ongoing research in certain aspects, in particular the evaluation and the analyze of the performance of systems.

Locally, the workshop will help to refine the consistency of the Master project "*Fiabilité et Evaluation des Performances des Réseaux*" of the Operational Research Department, especially after creating the cooperation project Algeria-Spain A/020297/08.

Topics

Algorithms and protocols of the network layer, MAC layer and Cross-Layer in the mobile ad hoc and sensor networks: Performance and quality of service and/or conservation of energy

- Routing protocols (linear routing, hierarchical routing, geographical routing, negotiation based routing)
- Communication protocols in the wireless networks (mobile, ad hoc, vehicle networks, industrial networks,...) with quality of service
- Design of Mac layers in wireless sensor networks with low energy consumption and quality of service
- Cross-layer protocols with low energy consumption and quality of service in wireless sensor networks

Information management in systems and networks (distributed systems, Internet, ad hoc networks, sensor networks, etc.)

- Cache management and Algorithms for inter-caches cooperation
- Management of the data consistency
- Load balancing
- Security of data

Stochastic Models in the performance evaluation of networks

- Markov chains and queuing networks
- Stochastic Petri Networks
- High deviation for stochastic processes
- Discrete-event simulation: methods and tools
- Comparison of performance models

Paper submission

Authors are invited to submit their papers in PDF or MS Word format, via email at: workshop.epqos2013@gmail.com. Papers should be in IEEE (A4 double column) not exceeding six (06) pages (including: abstract, keywords, results, tables and figures).

Communications language: French and English.

Participation fees: 6000 DA with communication. These fees include the full board accommodation for foreign communicants (one per accepted paper). The organizing committee can handle hotel reservations for audiences.

The selected papers by the international program committee will be published in the proceedings of the workshop.

Honorary Chairs

Pr Djoudi Merabet, President of the University of Béjaïa
Pr Youcef Khelfaoui, Doyen of the Faculty of Exacts Sciences

Organizing Committee

Dr Louiza Bouallouche – Medjkoune (President), Dr Fouzi Semchedine, Dr Redouane Laggoune, Dr Abderrahmane Baadache, Mer Nourredine Khimoum, Mer Kamel Kaby, Melle Nadjet Benhamida, Mme Samira Yessad, Melle Samra Boulefkhar, Melle Nadjet Rebouh, Dr Mourad Amad, Mer Ali Larbi, Melle Nadjette Khoualene, Melle Amal Tiab, Mer Mohand Yazid, Mer Lamri Sayad, Melle Zahia Azizou, Melle Lina Bachiri, Mer Mouloud Atmani, Mer Abdelhak Goutal, Mer Omar Hamdouni, Melle Samia Madi, Melle Halima Berri, Melle Nassima Daïri.

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