

The Second International Conference on Communications and Networking (ComNet'2010)

SUPCOM, MEDIATRON
November 4 - November 8, 2010,
Tozeur, Tunisia

Important Dates :

Paper Submission: May 15, 2010

Final Notification: July 31, 2010

Camera Ready: September 15, 2010

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Zied Choukair

Local Arrangements Chair:

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This Second International Conference on Communications and Networking (ComNet'2010) aims at bringing together ICT researchers from northern and southern countries to meet, exchange ideas and expertise, initiate and strengthen cooperation between them on topics related to communications and networking. It positions itself as a platform to the researchers and practitioners both from academia and industry to meet and share cutting-edge research and development in these fields.

ComNet'2010 will provide an excellent international forum for sharing knowledge and research results in theories, methodologies and applications in different topics related to *communications and networking*, both in *wired and wireless networks*, from a *theoretical as well as practical* point of view. Original papers are invited on topics related to computer networks, network protocols, wireless networks, data communication technologies and network security. Authors are solicited to contribute to this conference by submitting articles that illustrate research results, projects, surveying works and industrial experiences that describe significant advances in the following areas, but are not limited to:

Networking :

Heterogeneous wireless networks
Adhoc, sensor, relay and mesh networks
High speed networks
Measurement and Performance Analysis
Mobile and Broadband Wireless Internet
Mobile networks and Wireless LAN
Multimedia networking
Network Architectures
Network-based applications
Network Operations and Management
Network Protocols and Wireless Networks
Network Security
Networked systems, applications and services
Next Generation Internet
Next Generation Web Architectures
Optical Networks and Systems
Recent trends and Developments in Computer Networks
Routing, switching and addressing techniques
Scheduling and congestion control
Call admission control
Self-Organizing Networks and Networked Systems
Vehicle-to-Vehicle/Roadside/Internet networking
Social networks
Cognitive networking
Delay Tolerant Networks

Wireless communications:

Signal Processing for Communications
Wireless communications
Cross-layer design
Cooperative networks
Adaptive modulation and coding
ARQ
Multiple access techniques
Cognitive radio
MIMO systems
Space-time coding
Turbo-processing (Turbo-coding, Turbo-equalization, Turbo-estimation)
Network coding
Wireless sensor networks and applications
Next Generation Services :
Composition and Service Creation
Service Discovery and Integration
Service Dynamic Management
Policies and Strategies for Deployment
Execution Environments, Tools and Platforms
QoS Management
Supervision and Control
Fault Tolerance and Safety
Security
Convergence, Control and Management
NGOSS and Tools
Application Services oriented Networks
Internet Computing
Cloud Computing Services

Paper Submissions: Authors are invited to submit papers, not exceeding 4000 words (8 pages using 10-point type) for the conference by May 15, 2010 (for more details, visit www.supcom.mincom.tn/ComNet2010). Submissions must be original and should not have been published previously or be under consideration for publication while being evaluated for this conference. All accepted papers will be published in IEEE Xplore. Selected papers will be published in the international journal *Annals of Telecommunications*.

