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## The First International Conference on Communications, Computation, Networks and Technologies

**INNOV 2012**

**October 21-26, 2012 - Venice, Italy**

<http://www.iaria.org/conferences2012/INNOV12.html>

### Important deadlines:

Submission (full paper)	June 7, 2012
Notification	July 23, 2012
Registration	August 7, 2012
Camera ready	August 7, 2012

### Tracks:

#### NETWORKING

Network architectures and protocols; Cross-layer designs and architectures; Mobility management and topology control; Spectrum, network, context, environment, location awareness; Heterogeneous networking; Wireless networking; Ad hoc, sensor and mesh networks; Devices for ubiquity networking (smart-phones, tablets, and netbooks)

#### OPTIMIZATION AND PROTECTION

Performance modeling and analysis; Internet modeling; Parameter estimation for adaptation of wireless communication systems; Trust, security and privacy issues; Encryption algorithm in sensor networks; Web Services Security; Adaptive wireless communication systems; Quality of Service, scalability and reliability; Power aware and energy efficient design; Emission modeling and environmental impact assessment of vehicular networks

#### SHARED RESOURCES

Medium access control and routing protocols; Spectrum sensing techniques, spectrum efficiency and soft spectrum usage; Femto-cells and cognitive radios networks; Ultra-wideband for spectrum sharing; New applications in TV-band white space; Interference mitigation and awareness; Spectrum-management regulation and policy making; Mobility or handover technology; Application of software defined radio advanced communication systems; Information content security; Storage performance and scalability; File systems, object-based storage, and block storage; Energy-aware storage

#### COMPUTING PARADIGMS

Green Computing; Grid Computing; Cloud Computing; Collaborative Computing; Mobile computing; Internet of Things

#### CONTENT AND COMMUNICATION

Content distribution networks; Multimedia Communications; Audio, Image and Video Processing; Information aggregation and dissemination; Data-collection, organization and dissemination methods; Data management in mobile Peer-to-Peer networks; Data stream processing in mobile/sensor networks; Ultrawideband systems; Optical communications and networks; Vehicular communications; Smart grid communications; Green communications and networks; Cognitive Communications

#### SOCIAL NETWORKS AND SERVICES

New Architectures for Web-based social networks; Collaborative social systems (e/m-learning, e-healthcare, gaming); Information propagation on social networks; Resource and knowledge discovery using social networks; Peer-to-Peer social networks; Sensor networks and social sensing; Social networking solutions for pervasive and mobile environments; Social search; Measurement studies of current social networks; Simulation models for social networks; User interfaces and usability issues from mobile applications mobile social networks

#### TELECOMMUNICATIONS

New ITS and Telematics applications; ITS and Telematics services; Design with multiple wireless data links; Mobility or handover technology; Multiple antenna systems; Physical layer and antenna technologies; RF propagation models for vehicular networks