

## Call for Papers

### **IEEE MASS 2012**

#### **The 9th IEEE International Conference on Mobile Ad Hoc and Sensor Systems**

**October 8-11, 2012 • Las Vegas, Nevada, USA**

<http://edas.info/web/ieeemass2012/>

EDAS Paper Submission: <http://edas.info/newPaper.php?c=11677>

**SCOPE:** The 9th IEEE International Conference on Mobile Ad hoc and Sensor Systems (IEEE MASS 2012) will be held in Las Vegas, Nevada, USA, during October 8-11, 2012. Wireless ad hoc communication has applications in a variety of environments, such as conferences, hospitals, battlefields, and disaster recovery/rescue operations, and is also being actively investigated as an alternative paradigm for Internet connectivity in both urban and rural areas. Wireless sensor and actuator networks are also being deployed for enhancing industrial control processes and supply-chains, and for various forms of environmental monitoring. IEEE MASS 2012, sponsored by the IEEE Computer Society, aims at addressing advances in research on multihop ad hoc and sensor networks, covering topics ranging from technology issues to applications and test-bed development.

**TOPICS OF INTEREST:** Original, unpublished contributions are solicited in all aspects of mobile ad hoc networks (MANETs) and wireless sensor networks (WSNs) including systems and applications.

Topics of interest include, but are not limited to:

Algorithmic aspects of MANETs and WSNs  
Application Layer Protocols  
Architectures of wired/wireless networks  
Capacity planning and admission control  
Clustering, topology control, coverage, and connectivity  
Cognitive networking  
Cooperative and cognitive communication  
Cooperative sensing in WSNs  
Cross layer design and optimization  
Cyber-physical systems  
Data gathering, fusion, and dissemination  
Data transport and management in WSNs  
Delay tolerant networks  
Experiences from real-world applications and long-term deployments  
Handoff/mobility management and seamless internetworking  
Internet/Cloud of Things  
Key management and trust establishment  
Key management and trust establishment in wireless networks  
Localization and synchronization  
MAC protocols, including 802.11, 802.15.4, UWB  
MAC-layer design for ad hoc networks and WSNs  
Machine-to-machine (M2M) communications  
Measurements, experimental systems and test-beds  
Mobile computing and networking

Mobility management  
Modeling, analysis and performance evaluation  
Multi-channel, multi-radio and MIMO technologies  
Network Layer protocols  
Networked smartphone applications  
Novel applications and architectures for WSNs  
Operating systems and middleware support  
Opportunistic networking  
P2P, overlay, and content distribution  
Power-aware architectures, algorithms, and protocols design  
QoS and Resource management  
Reliability, resiliency and fault tolerance techniques  
Resource management and wireless QoS provisioning  
Robotic networks  
Routing protocols, including unicast, multicast, broadcast, geocast  
Security and privacy  
Security and privacy issues in ad hoc and sensor networks  
Smart grid  
Smart healthcare  
Smart transportation  
Social networks  
Topology control, coverage and connectivity issues  
Vehicular networks and protocols  
Wireless mesh networking

## PAPER SUBMISSION AND REVIEW:

Authors are invited to submit technical papers presenting original, unpublished research, not currently under review elsewhere. All submissions should be written in English with a maximum length of 9 single-spaced, double-column pages using 10pt size fonts on 8.5 x 11 inch pages, including all figures, tables, and references. All paper submission will be electronic, in PDF format, through [EDAS](#). Refer to the MASS 2012 web site for detailed paper formatting and submission instructions. Submitted papers will be reviewed by the Technical Program Committee, and each paper will receive at least three reviews. Accepted papers will appear in the conference proceedings published by IEEE and will be presented at the conference. Based on reviews and TPC discussions, the TPC may choose to accept some papers as short papers (5 pages). For all papers, IEEE reserves the right to exclude the paper from distribution after the conference (e.g., removal from [IEEE Xplore](#)) if the paper is not presented at the conference. Papers determined to be out-of-scope for the conference or lacking substantial original contributions may be subject to Early Reject process.

## IMPORTANT DATES:

- Paper registration deadline: Monday, April 2, 2012 (optional)
- Full paper submission deadline: Monday, April 23, 2012
- Paper acceptance notification: Tuesday, July 17, 2012
- Paper camera-ready deadline: Monday, August 6, 2012

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