

# Advances in Urban Sensing and Challenged Networks

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Forum Organizer and Chair: Prof. Ahmed Helmy, University of Florida, USA

**ABSTRACT**

Networked sensors will soon be part of our everyday life. Envision a world where both physical and social worlds are sensed anytime, anywhere. This is largely already a reality, due to the proliferation of handheld devices, smart phones, tablets, among others. Capabilities of these devices are growing in communication, computation, storage and sensing, opening a world of opportunities to provide novel ways to internetwork people, access information and interface with the physical world. Emerging multi-hop wireless networks, including sensor networks and delay tolerant networking paradigms, lie at the heart of this promising field. Such unprecedented integration of mobile sensing devices with the human society has enabled new areas of research including sensing the human society, behavioral-aware networking and encounter-based routing.

This panel on sensor networks hosts pioneers in the field of sensor networks and delay tolerant networks, and shall address a host of pressing issues of interest to related research and industrial communities. The topics discussed will cover a broad range of challenging problems including urban-scale sensing, health sensing, modeling, routing, deployment, operation, and

management of sensor networks.

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