

The 12th IEEE International Workshop on Wireless Local Networks

Held in conjunction with

The 37th IEEE Conference on Local Computer Networks (LCN)

22-25 October, 2012, Clearwater, Florida, USA

Global Reachability through Local Connectivity

Wireless Local Networks (WLN) play a major role in today's world. From providing rich connectivity to realizing sensory and actuary applications, WLN serve a wide range of applications. In its 12th year, the WLN workshop would like to focus on how such networks can be made to be energy efficient and cost effective, while maintaining high levels of availability and service delivery quality. It is hence our aim to focus on both design and implementation aspects in local networks that are reachable, or that can be utilized in to providing reachable systems. At the same time, we will maintain our open call in topics relevant to WLN.

With this spirit, we are soliciting works describing both theoretical and practical research endeavors. We also encourage visionary and experimental descriptions. Short reports on work-in-progress and demos will also be accommodated.

The following is a non-exclusive list of topics of interest:

- Design and deployment guidelines.
- Implementation and testbed issues.
- Network management architectures.
- Protocol design, including cross-layer and opportunistic approaches.
- Wireless multihop networks, including mesh, ad hoc and sensor networks.
- Wireless relay, including fixed and mobile elements.
- Integration and coexistence issues (as in RSNs and IoT).
- Coexistence of heterogeneous wireless networks.
- Wireless access schemes and techniques.
- Mobility & network management .
- Resource management functionalities (CAC, reservation, scheduling, etc.)
- Cognitive radios and dynamic spectrum networks.
- Performance evaluation, including analytical and simulation approaches.

Important Dates

<i>Paper Submission</i>	May 27th, 2012
<i>Notification of acceptance</i>	June 30th, 2012
<i>Camera-ready copy due</i>	July 28th, 2012

Submission Guidelines

We seek original contributions that have neither been previously published or currently under review. Authors can submit in either of the following categories:

- Paper submissions.* (up to 8 pages) Should describe complete works in a self-contained manner with the intent to give an oral presentation.
- Poster submissions.* (up to 2 pages) Reports on high-value recent results or work-in-progress with the intent to provide a poster presentation.
- Proposal for demonstration.* (up to 2 pages) Showcases practical and experimental implementations intended for industrial or commercial development in workshop's general.

All accepted submissions will be published in the LCN'12 proceedings and the IEEE Xplore portal. Submission details can be found at <http://www.cs.queensu.ca/wln12>

Workshop Co-chairs

Hazem Refai

School of Electrical & Computer Eng.
University of Oklahoma, USA

Fadi Al-Turjman

School of Computing
Queen's University, Canada

Program Committee

Abd-Elhamid Taha

Alfaisal University

Ayman Radwan

Instituto de Telecomunicações

Azzedine Boukerche

University of Ottawa

Ashraf Hamad

Microsoft Corporation

Damla Turgut

University of Central Florida

Fethi Filali

QU Wireless Innovations Center

Hassan Moradi

University of Oklahoma

Hamid Menouar

QU Wireless Innovations Center

Jalel Ben-othman

University of Paris 13

Luca Foschini

University of Bologna

Mohamed Younis

University of Maryland Baltimore County

Nickolas LaSorte

University of Oklahoma

Osama Kubbar

QU Wireless Innovation Centre

Paolo Ballarini

Ecole Centrale de Paris

Roberto Beraldi

"Sapienza" Università di Roma

Sherali Zeadally

University of the District of Columbia

Tamer ElBatt

Nile University

Tarek Elfouly

Qatar University

Victor Leung

University of British Columbia

Zaher Dawy

American University of Beirut