

CALL FOR PAPERS

2015 IEEE VTC WORKSHOP ON EMERGING MIMO TECHNOLOGIES IN 5G WIRELESS CELLULAR NETWORKS (EMT5G)

The workshop will cover a wide range of key issues on MIMO technologies spanning from emerging massive MIMO, highly distributed MIMO technologies with low capital and operational costs to technologies for remote radio heads and smart antenna design for MIMO systems, from signal processing techniques for user-centric distributed antenna systems to signaling techniques for channel state acquisition, from energy-efficient MIMO systems to interference coordination in 5G networks, from heterogeneous and small networks to new wireless backhaul architectures.

The purpose of this workshop is to bring academic and industrial researchers together to identify and discuss the major technical challenges and recent results associated with emerging MIMO technologies in 5G wireless cellular networks. The progress of EU FP7 project HARP (High capacity network Architecture with Remote radio heads and Parasitic antenna arrays) will be presented to disseminate project research outputs.

The workshop will cover a wide range of key topics including:

- Massive MIMO technologies
- Highly distributed MIMO technologies
- Technologies for remote radio heads with low capital and operational costs
- Signal processing techniques for user-centric distributed antenna systems
- Signaling techniques for channel state acquisition
- Energy efficient MIMO systems
- Novel antenna design for MIMO communication systems
- Interference coordination in 5G wireless communications
- Small cell networks
- Heterogeneous networks (HetNets)
- New wireless backhaul architectures

Workshop Chairs

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Important Dates

Submit papers for review by: **17 December 2014** (FIRM DEADLINE)

Acceptance notices sent: **26 January 2015**

Final papers due: **16 February 2015**