

WORKSHOP PROGRAM

IEEE 2nd International Workshop on
Massive MIMO: From theory to practice
December 6, 2PM-6PM

Chair: Ove Edfors, Lund University, Sweden.

14.00 – 14.55 Keynote session

Massive MIMO: The Road Ahead
Erik G. Larsson

14.55 – 15.15 Oral Session

Channel Covariance Estimation in
Massive MIMO Frequency Division
Duplex Systems
*Alexis Decurninge, Maxime Guillaud, Dirk
T.M. Slock*

15.15 – 15.45 Coffee break and posters

15.45 – 17.05 Oral Session

Energy-Efficient Load-Adaptive Massive
MIMO
*M M Aftab Hossain, Cicek Cavdar, Emil
Björnson, Riku Jäntti*

Low Complexity Antenna Subset
Selection for Massive MIMO Systems
with Multi-cell Cooperation
*Muhammad Hanif, Hong-Chuan Yang, Gary
Boudreau, Edward Sich, Hossein
Sayedmehdi*

Impact of Power Amplifier Nonlinearities
in Multi-user Massive MIMO Downlink
*Yaning Zou, Orod Raeesi, Lauri Antilla, Aki
Hakkarainen, Joao Vieira, Fredrik Tufvesson,
Qimei Cui, Mikko Valkama*

Spherical Wave Channel and Analysis for
Large Linear Array in LoS Conditions
Zhou Zhou, Xiang Gao, Jun Fang, Zhi Chen

17.05 – 18.00 Poster Session cont.

Poster session papers

Three Practical Aspects of Massive
MIMO: Intermittent User Activity, Pilot
Synchronism, and Asymmetric
Deployment
Emil Björnson, Erik G. Larsson

A Hybrid Approach for Multi-User Massive
MIMO Sparse Channel Estimation based
on Bayesian Recovery and Hard
Thresholding
*Javier García, Jawad Munir, Amine
Mezghani, Josef A. Nossek*

Comparative Study of 2D Grid Antenna
Array Geometries for Massive Array
Systems
*Thibaud Gabillard, Vidhya Sridhar, Akinbiyi
Akindoyin, Athanassios Manikas*

Impact of Transceiver Impairments on the
Capacity of Dual-Hop Relay Massive
MIMO Systems
*Anastasios K. Papazafeiropoulos, Shree
Krishna Sharma, Symeon Chatzinotas*