CALL FOR PAPERS

IEEE 2nd International Workshop on

Massive MIMO: From theory to practice

at IEEE GLOBECOM, December 6-10, 2015, San Diego, CA

http://mamiws.eit.lth.se

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* = to be confirmed

Topics of interest (not limited to)

- Testbeds, prototyping and field trials
- Antenna configurations
- Channel measurements and modeling
- Channel estimation and synchronization
- Baseband processing and detection
- Distributed processing
- RF front-ends and impairments
- Precoding and modulation techniques
- Pilot design and pilot contamination
- TDD reciprocity and calibration
- FDD concepts and solutions
- Resource allocation
- System design and evaluation
- LTE and WiFi integration
- 5G systems and future visions
- Applications at mm-wave

Workshop description

Massive MIMO opens up a new dimension of wireless communications by using an excess of base-station antennas, relative to the number of active terminals. The technique allows for very efficient spatial multiplexing, attainable using linear processing in a time-division duplex mode. The excess of antennas brings about radical improvements in both energy and spectral efficiencies. In recent years, there has been substantial theoretical progress and the research community, as well as industry, has largely reached consensus that Massive MIMO will play a major practical role in the near future, influencing several communications standards. However, before we are ready to standardize and deploy Massive MIMO systems, many important aspects still have to be addressed.

The goal of the workshop is to solicit the latest physical-layer developments towards realizing Massive MIMO, with a focus on bridging the gaps between theory, algorithms, and practical implementations. The workshop will bring together academic and industrial researchers to identify and discuss technical challenges and recent results related to Massive MIMO.

Keynote speaker

Erik G. Larsson (Linköping Univ., Sweden)

Important dates

Paper submission deadline:	**1 July 2015**
Accept/reject notice:	**1 September 2015**
Final paper due:	**1 October 2015**

Submission procedure

All final submissions should be written in English with a maximum paper length of six (6) printed pages (10-point font) including figures without incurring additional page charges (maximum 1 additional page with over length page charge of USD100 if accepted). Papers exceeding 7 pages will not be accepted at EDAS.

Links to standard IEEE conference templates and EDAS can be found on the workshop web site (see above). Only PDF files will be accepted for the review process, and all submissions must be done through EDAS.

Accepted and presented papers will be published in the IEEE GLOBECOM 2015 Conference Proceedings and in IEEE Xplore.