

Internet-of-Things (IoT) and machine-to-machine (M2M) communications have attracted significant interests in both academia and industry. Billions of M2M devices are expected to be connected, and a major portion of them are through wireless connections. The benefits of M2M communication can be evident in energy, agriculture, manufacturing, e-health, transportation and many other sectors. UHF frequency bands, e.g. TV white space provides an excellent opportunity to enable these M2M applications as UHF spectrum enable signals to propagate further and penetrate buildings more readily than in the higher frequency bands for mobile connections. There are strong demands on networks, protocols, antennas and propagations. Research activities are ongoing in academia, and industry. M2M communication standards have been actively developed in standard bodies, particular the Weightless SIG ([www.weightless.org](http://www.weightless.org)).

This workshop will have keynote speakers from both industry and academia to address application layer, MAC layer, Physical layer, security and regulations in relation to M2M and IoT. A panel discussion will be held to address how to enable real benefits to build strong partnerships between academics and companies to tackle the future challenge of M2M and IoT research and development. A poster/demo session will be held during the coffee break and lunchtime. The overall objective of this workshop is to bring various state-of-the-art research activities in academia and industry together and understand the future M2M communication requirements and potentials.

**Confirmed speaker for this workshop:**

- William Webb, Weightless SIG
- Reza Karami, Ofcom
- Maurizio Pilu, Connected Digital Economy Catapult
- Lajos Hans, University of Southampton
- Petri Mahonen, RWTH-Aachen
- Mischa Dohler, King's College
- Klaus Moessner, University of Surrey
- Zhiyong Feng, Beijing University of Posts and Telecommunications
- Tadashi Matsumoto, Japan Advanced Institute of Science and Technology
- Amyas Philips, ARM
- Brian Gaffney, Neul Ltd
- Howard Del Monte, Weightless SIG
- Yue Gao, Queen Mary University of London

**Call for posters/demos:**

- M2M/IoT application layer, MAC layer, physical layer, security and regulations are welcomed.
- A title and one page abstract of no more than 500 words should be email to [yue.gao@qmul.ac.uk](mailto:yue.gao@qmul.ac.uk).
- Please use font size 11 and Arial font. The margin should not be less than 20mm from all sides.

**Important dates:**

- Workshop: 25 April 2014
- Registration deadline: 11 April 2014 (free but limited spaces)
- Poster/Demo submission: 28 March 2014
- Acceptance notification: 04 April 2014

**Venue:** Skeel Lecture Theatre, Queen Mary University of London, London E1 4NS, UK

**Registration website:** <http://antennas.eecs.qmul.ac.uk/weM2M/>

**Workshop organising committee:**

- Yue Gao, Queen Mary University of London
- William Webb, Weightless SIG