



Renaissance of chemical and biological sensors

Challenges and roadmap presented by European Sensor System Cluster (ESSC)

**Covent Garden
Place Charles Rogier 16
Brussels, Belgium
Room: 6.183 (COV2 floor 6)**

Tuesday, 19th April, 2016 - 14:00 to 17:00

The trends towards digitized economy are represented by large demand for variety of sensors, which operate reliably in specific environmental, indoor, medical or industrial conditions. The systems of systems expected by Smart Industry or Internet of Things in general, won't be achievable without broadly deployed network of sensors and systems enabling the appropriate sampling and decision functions. These market-driven challenges impose several challenges, such as cost and size reduction, low energy consumption, calibration, interoperability and communication or new standards. ESSC is a cluster initiated in 2014 by ongoing EU R&D projects, with an aim to avoid defragmentation and to promote synergies with industrial leadership and European cooperation in the field of the research and innovation of sensor-systems applications.

- 14:00 – 14:10 **WELCOME BY THE COMMISSION**
- 14:10 – 14:30 **INTRODUCTION OF ESSC AND ROADMAP METHODOLOGY**
- sensor system integration and commercialization
- horizontal topics
M. Penza (ENEA Brindisi)
- 14:30 – 14:50 **ENVIRONMENTAL SENSORS**
D. Diamond (Dublin City University)
- 14:50 – 15:10 **INDOOR AIR QUALITY**
A. Schütze (Saarland University)
- 15:10 – 15:30 *Coffee break*
- 15:30 – 15:50 **HEALTH MONITORING AND COMFORT SENSORS**
P. Galvin (Tyndall)
- 15:50 – 16:10 **INDUSTRIAL MONITORING**
T. Mayr (TU Graz)
- 16:10 – 16:50 **DISCUSSION**
moderated by M. Penza (ENEA Brindisi)
- 16:50 – 17:00 **MEETING CLOSURE**

**Seats are limited; please confirm your presence at
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