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FOTONICA
2016 AEIT

18th Edition
CONVEGNO ITALIANO
DELLE TECNOLOGIE FOTONICHE

TUESDAY, JUNE 7, 2016

**10,40-12,40 PLENARY SESSION
SYMPOSIUM**

Photonics as the Key Technology Transforming Our Cities in a Living Lab

In the context of new urban challenges and growing request of services, our cities need to find innovative solutions to respond in real time to the uses and needs of the citizens.

Photonics can be the real catalyst for the sustainable attainment of a smart connected city thanks to a pervasive optical monitoring and to a fiber-based ICT infrastructure. In the symposium the two examples regarding the cities of Bristol and L'Aquila will be presented, describing the research activities of the projects "BRISTOL IS OPEN" and "INCIPICT", respectively. Moreover, the role of photonic technologies in the development of future smart cities and IoT will be discussed, from the sensors for the cognitive inputs to the convergent interconnection networks.

Introduction: Pierpaolo Boffi - *Politecnico di Milano*

Key-note speeches:

- Dimitra Simeonidou - *University of Bristol, UK*
- Fabio Graziosi - *Università degli Studi dell'Aquila*

Round Table: How is Photonics Fundamental for the Deploying of Internet of Things and for the Development of a Smart City?

Coordinator: Mario Martinelli - *Politecnico di Milano*

- Alessandro Cavaciuti - *Cisco Photonics*
- Giorgio Cazzaniga - *SM Optics*
- Mauro Varasi - *Leonardo - Finmeccanica*
- Maddalena Ferrario - *Cohaerentia/Politecnico di Milano*