



## **Built Environment – Doctoral Seminar**

**Wednesday, 23 May 2018**

### **9:00 Good governance for a Smart World**

Joep Cromptvoets, KU Leuven, Leuven, Belgium

Prof. Dr. ir. Joep Cromptvoets is a professor at KU Leuven Public Governance Institute (Belgium) focusing on information management in the public sector, and secretary-general of EuroSDR – a European spatial data research network linking national mapping agencies with research institutes and universities for applied research in the domain of geospatial information management. He obtained his MSc and PhD degrees in soil science as well as geo-information science at Wageningen University (The Netherlands). His main research topics refer to spatial data infrastructures, GIS, e-governance, and public-sector innovation.

In the presentation, Joep would like to present governance recommendations that would contribute to the implementation of a Smart World – a concept derived from Smart Cities with a wider scope than just cities converging real and digital worlds and bringing sustainability and new opportunities. The presentation provides five key governance recommendations for a Smart World, which are: 1) Balancing governance approaches in terms of hierarchy, market, and network; 2) Focusing on demand driven supply; 3) Managing reference datasets with organizations; 4) Focusing on solutions to solutions; and 5) Investing in interdisciplinary. Each of these recommendations will be introduced and explained in detail and their applications are translated in the context of emergency service delivery. In the end, a set of propositions will be launched which will form the basis for discussion.

## **10:00 Territorial Mapping with Multi-View Aerial Camera System**

Fabio Remondino, Fondazione Bruno Kessler (FBK), Trento, Italy

Fabio Remondino is the head of 3DOM research unit at FBK Trento. He graduated from TU Milan in Environmental Engineering and obtained his PhD in photogrammetry at ETH Zurich. His main research interests are in the field of automation in 3D recording and modelling as well as sensors integration and geospatial data processing. He is serving as Vice-President of EuroSDR and President of ISPRS Technical Commission II.

In the presentation, Fabio will discuss new aerial photogrammetry cameras which feature multi-view acquisitions and not only the traditional nadir shooting. Multi-view aerial camera systems are a "returned" technology as in the past it was a very common solution e.g. for inspection and reconnaissance. The acquisition and processing of these image blocks require new approaches and solutions whereas the achievable geo-products and potential applications are various and very promising. The presentation will show how oblique will become a common source for territorial mapping and 3D urban modelling.