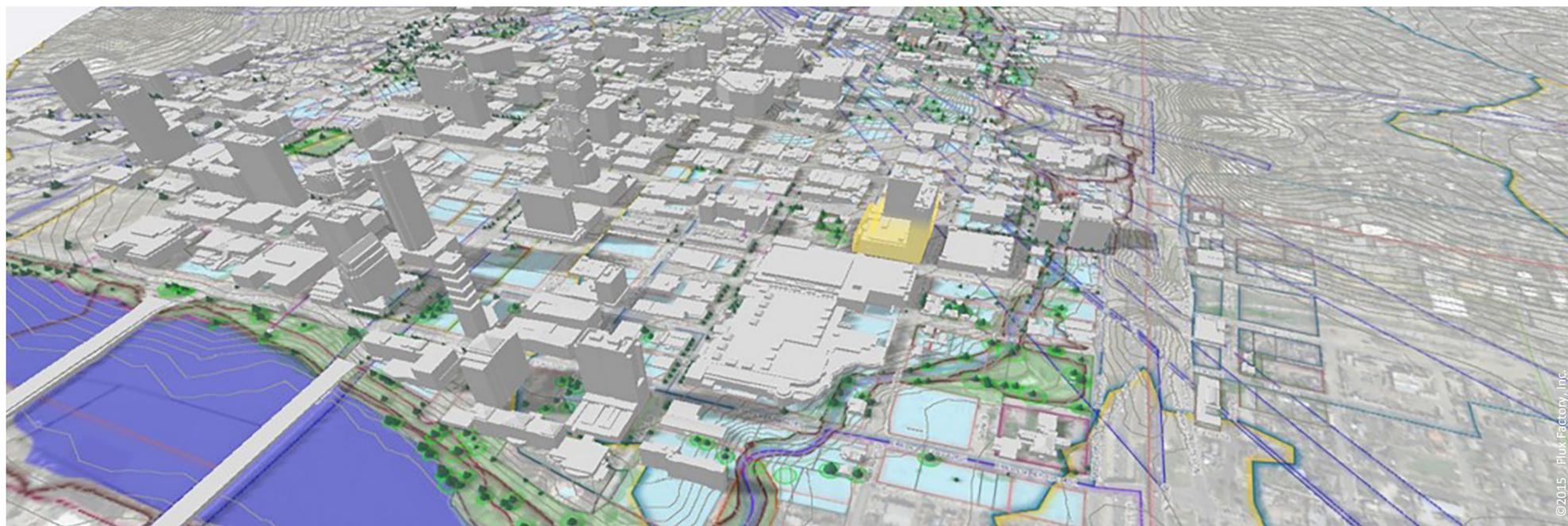


INTERNET OF BUILDINGS, SMART INFRASTRUCTURES AND DIGITIZED BUILT ENVIRONMENTS: FROM BEHAVIOURAL TO OPERATIONAL A data-driven approach to the (R)Evolution of the Construction Industry?



24 SEPTEMBER 2015
Politecnico di Milano
Milan

Speakers:
Angelo Ciribini, Head of ISTeA
Anne Kemp, Atkins
Ilka May, Arup

Developments in communication and technology are both enabling and driving the requirement for the delivery of intelligent infrastructure. The construction industry and infrastructure owners increasingly recognise the benefit of gathering, sharing and disseminating the right levels of data and information throughout the lifecycle of the asset base. Technology, but also standards, methods and procedures, for delivering and utilising this information are rapidly evolving, but are yet to be fully embedded in industry best practice. There is an increasing recognition, but very little best practice guidance, research or lessons learned available on the market globally.

In the rush to embrace big data and the Internet of Things we need to challenge why we are doing this and who pays for it – and thereby better understanding the appropriate ‘where-with-all’ to deliver on the promise of better insight. Through Building Information Modelling (BIM) we observe the merger of two spatial worlds in the construction industry – Geographic Information Systems (GIS) and Computer Aided De-sign (CAD). Whilst each of these technologies has something to contribute, we need to identify what is required for the future, and look impartially at what should be drawn in from past methods, and what needs to be newly developed.

To do this requires a fundamental and deep understanding of our relationship with digital data, and how we can draw out intelligence from that data, to inform better dialogue, and derive better decisions – setting the context for whole lifecycle information management and improved asset performance management.

PROGRAM

08:30 Registration

09:00 Welcome and Introduction: The Transformation of the Construction Industry - *Angelo Ciribini*

09:45 BIM, GIS, Client Organizations and Supply Chains in the UK - time to press the re-set button? - *Anne Kemp*

10:30 4.0: A Shareable Paradigm Shift in Germany? - *Ilka May*

11:15 Break

11:45 Responding to the disruptive convergence of differing technological approaches - *Anne Kemp*

12:15 The value chain of BIM data in a Smart City context - *Ilka May*

12:45 Facilitated Discussion

13:15 End & Networking

Free attendance. Lectures will be held in English. Please fill the registration form at link <https://istea2015.eventbrite.it> in order to attend the event. For information segreteria@isteaweb.it