

# **Deep Dive on Smart Cities by Scaling Reasoning and Interpreting the Semantics of IoT**

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## **Summary**

Modern cities are facing tremendous amount of information, captured from internal infrastructures and/or exogenous sensors, humanincluded. This talk presents how big and heterogenous city data has been captured, represented, unified to serve one of the most pressing city objective: improving quality of city, in particular how understanding and reducing traffic congestion. We will also present lessons learnt from the deployment of our system and experimentation in Dublin (Ireland), Bologna (Italy), Miami (USA) and Rio (Brazil).

## **Biography**

Dr Freddy Lecue (PhD 2008, Habilitation 2015) is a principal scientist and research manager in large scale reasoning Systems in Accenture Technology Labs, Dublin – Ireland. He is also a research associate at INRIA, in WIMMICS, Sophia Antipolis – France. Before joining Accenture in January 2016, he was a research scientist and lead investigator in large scale reasoning systems at IBM Research – Ireland. His research area is at the frontier of learning, reasoning systems, and Internet of Things with a focus on smart enterprise and city applications (in Dublin – Ireland, Bologna – Italy, Miami – USA and Rio – Brazil). His research has received IBM internal recognition: IBM research division award in 2015 and IBM Technical Accomplishment award in 2014. His research received external recognition: best paper awards from ISWC (International Semantic Web Conference) in 2014, and ESWC (Extended Semantic Web Conference) in 2014, as well as semantic Web challenge awards from ISWC in 2013 and 2012.

