

< IBM Research Ireland: Big and Fast Data in the City >

Smart Cities : Technological Perspective and Sustainable Development
Workshop @ Milan, Italy November 29th 2012

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abstract

Cities are increasingly seen as the crucibles where the success or failure of our society is determined.

The Smarter Cities vision is to bring a new level of intelligence to how the world works - how every Person, Business, Organization, Government, Natural System, and Man-Made System interacts.

In this talk, I will describe how IBM Research's Smarter Cities Technology Centre is conducting research to make cities more efficient, productive, and enjoyable by leveraging the big and fast data generated by cities, their citizens and their utilities.

We are creating technology to continuously assimilate diverse and noisy data sources for better awareness and prediction, to model how Humans use city infrastructure and infer demand, to factor uncertainty and risk into optimized planning and operations, and to organise open data and knowledge to engage citizens, empower universities, and enable business.

I will also highlight the critical challenges these problems present, and approaches we are taking to address them.