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## From Small Sensors to Big Data: How the Sensor Web is Changing our World

Barry Smyth

School of Computer Science and Informatics University College Dublin  
(UCD), Irlanda

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Facultad de Informática

Sala de Grados • 14 de abril de 2015 • 15:00

*entrada libre hasta completar el aforo*

resumen:

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In our increasingly digitized world almost everything we do creates a record that is stored somewhere, whether we are purchasing a book, calling a friend, ordering a meal, or renting a movie. And in the world of the sensor web this no longer limited to our online activities: exercising in the park, shopping for groceries, falling asleep, or even having a shower, are just some of our everyday activities that are likely to generate data. The world of the sensor web is all about understanding how we can (and whether we should) use this information to enable better decisions. Better decisions for where we might live or where to send our kids to school. Better decisions about the food we eat and the exercise we should take. Better decisions by our governments and policy makers when it comes to managing education, energy, infrastructure, and healthcare. And better decisions for business and enterprise when it comes to understanding customer needs and demands. In this talk we will discuss the origins of the sensor web and the attendant big data revolution. We will explore how these ideas suggest new ways of thinking about some of modern society's toughest challenges and how the resulting technologies will impact on our everyday lives in the future.

sobre Barry Smyth:

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Barry holds the DIGITAL Chair of Computer Science at University College Dublin and is a member of the Royal Irish Academy. He is a Director of the Insight Centre for Data Analytics, a €100m research centre funded by Science Foundation Ireland and Industry. Barry's own research interests include information discovery, personalisation and recommender systems. He has published more than 400 scientific papers and founded a number of companies to commercialise the outputs of his research.