

HPI Kolloquium

03.07.2014, 16:00 Uhr

Hasso-Plattner-Institut, Vorlesungsgebäude, Auditorium 2
Campus Griebnitzsee, 14482 Potsdam

“Data Analytics for Sustainability”

Dr. Lukasz Golab
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Abstract

As concerns over climate change and resource shortages arise, it is critical to seek new ways to ensure a sustainable future, in which resources such as water and energy are used responsibly and greenhouse gas emissions are reduced. In this talk, I will describe my recent work on leveraging big data analytics for sustainability, including smart meter data mining, solar panel monitoring, and opinion mining to reduce barriers to the adoption of green technologies such as electric vehicles.

Short Biography

Lukasz Golab holds a Computer Science B.Sc. with High Distinction from the University of Toronto, and a Computer Science Ph.D. from the University of Waterloo, with the Alumni Gold Medal for top graduate. After obtaining his Ph.D., he was a Senior Member of Research Staff at AT&T Labs, and he is now a faculty member in the Management Sciences department at the University of Waterloo. Lukasz is a co-author of over 40 publications and a co-inventor of three U.S. patents in the area of data management and analytics. His research interests include data stream management, data warehousing, data quality and data analytics for sustainability.

Host: Prof. Dr. Felix Naumann