

## Enabling Interactive Data Exploration over Big Data

**Prof. Ugur Cetintemel**

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**Thursday, May 8<sup>th</sup>, 2014**

**1:00 pm - 2:00 pm**

**Room: INF 3105**

(building of the Faculty of Computer Science, Nöthnitzer Straße 46)

**Abstract:** This talk will give an overview of three complementary projects that we have recently initiated at Brown to address these limitations and make progress towards enabling IDE over large data sets. In the first project, called Query Steering, we are leveraging profiling and predictive techniques to offer customized data navigation and visualization support. In SearchLight, we are marrying constraint programming and database techniques to support ad-hoc online data exploration and mining. Finally, in the TUPLEWARE project, we are building a new main-memory data processing platform for interactive analytics, learning and visualization.

**Bio:** Ugur Cetintemel received his undergraduate and master degrees in Turkey and then came to University of Maryland for his doctoral studies. He joined Brown right after he completed his PhD in 2001. His work strives to facilitate the management and analysis of data under challenging situations, for example, when there is lots of data or scarce computing resources. For the last few years, he has worked on tools and systems that can quickly process and analyze high-rate data streams. He is now moving on towards supporting big data and self-managing systems.

