

SIGMOD/

AMSTERDAM

PXDS

2X19

Thursday 11:30-12:50 – Graanbeurszaal 0.5

SIGMOD Research 12: Indexing

Chair: Stratos Idreos

FITing-Tree: A Data-aware Index Structure

Alex Galakatos (Brown University), Michael Markovitch (Brown University), Carsten Binnig (TU Darmstadt), Rodrigo Fonseca (Brown University), Tim Kraska (MIT)

Hyperion: Building the Largest In-memory Search Tree

Markus Mäsker (Johannes Gutenberg University Mainz), Tim Süß (University of Applied Science Fulda), Lars Nagel (Loughborough University), Lingfang Zeng (Huazhong University of Science and Technology), André Brinkmann (Johannes Gutenberg University Mainz)

Designing Succinct Secondary Indexing Mechanism by Exploiting Column Correlations

Yingjun Wu (IBM Almaden Research Center), Jia Yu (Arizona State University), Yuanyuan Tian (IBM Almaden Research Center), Richard Sidle (IBM), Ronald Barber (IBM Almaden Research Center)

AI Meets AI: Leveraging Query Executions to Improve Index Recommendations

Bailu Ding (Microsoft Research), Sudipto Das (Microsoft Research), Ryan Marcus (Brandeis University), Wentao Wu (Microsoft Research), Surajit Chaudhuri (Microsoft Research), Vivek Narasayya (Microsoft Research)