

# SIGMOD/

## AMSPXDS

### TER

#### DAM

# 2X19

**Tuesday 14:20-16:20 – Graanbeurszaal 0.5**

**SIGMOD Research 2: Privacy/Blockchain**

**Chair:** Raghav Kaushik

### **Blurring the Lines between Blockchains and Database Systems: the Case of Hyperledger Fabric**

Ankur Sharma (Saarland University), Felix Schuhknecht (Saarland University), Divya Agrawal (Saarland University), Jens Dittrich (Saarland University)

### **Towards Scaling Blockchain Systems via Sharding**

Hung Dang (National University of Singapore), Tien Tuan Anh Dinh (National University of Singapore), Dumitrel Loghin (National University of Singapore), Ee-Chien Chang (National University of Singapore), Qian Lin (National University of Singapore), Beng Chin Ooi (National University of Singapore)

### **vChain: Enabling Verifiable Boolean Range Queries over Blockchain Databases**

Cheng Xu (Hong Kong Baptist University), Ce Zhang (Hong Kong Baptist University), Jianliang Xu (Hong Kong Baptist University)

### **Answering Multi-Dimensional Analytical Queries under Local Differential Privacy**

Tianhao Wang (Purdue University), Bolin Ding (Alibaba Group), Jingren Zhou (Alibaba Group), Cheng Hong (Alibaba Group), Zhicong Huang (Alibaba Group), Ninghui Li (Purdue University), Somesh Jha (University of Wisconsin, Madison)

### **APEX: Accuracy-Aware Differentially Private Data Exploration**

Chang Ge (University of Waterloo), Xi He (University of Waterloo), Ihab Ilyas (University of Waterloo), Ashwin Machanavajjhala (Duke University)

### **Active Sparse Mobile Crowd Sensing Based on Matrix Completion**

Kun Xie (Hunan University), Xiaocan Li (Hunan University), Xin Wang (Stony Brook University), Gaogang Xie (Institute of Computing Technology & Chinese Academy of Sciences), Jigang Wen (Institute of Computing Technology & Chinese Academy of Sciences), Dafang Zhang (Hunan University)