

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)