SIGMOD/PODS 2019
AMSTERDAM

Wednesday 14:20-16:20 – Effectenbeurszaal 0.4

SIGMOD Research 7: Modern Hardware

Chair: Justin Levandoski

Concurrent Prefix Recovery: Performing CPR on a Database
Guna Prasaad (University of Washington), Badrish Chandramouli (Microsoft Research), Donald Kossmann (Microsoft Research)

BriskStream: Scaling Data Stream Processing on Shared-Memory Multicore Architectures
Shuhao Zhang (National University of Singapore), Jiong He (Advanced Digital Sciences Center), Amelie Zhou (Shenzhen University), Bingsheng He (National University of Singapore)

Border-Collie: A Wait-free, Read-optimal Algorithm for Database Logging on Multicore Hardware
Jongbin Kim (Hanyang University), Hyeongwon Jang (Hanyang University), Seohui Son (Hanyang University), Hyuck Han (Dongduk Women's University), Sooyong Kang (Hanyang University), Hyungsoo Jung (Hanyang University)

Designing Distributed Tree-based Index Structures for Fast RDMA-capable Networks
Tobias Ziegler (TU Darmstadt), Sumukha Tumkur Vani (Brown University), Carsten Binnig (TU Darmstadt), Rodrigo Fonseca (Brown University), Tim Kraska (MIT)

DistME: A Fast and Elastic Distributed Matrix Computation Engine using GPUs
Donghyoung Han (Daegu Gyeongbuk Institute of Science & Technology (DGIST)), Yoon-Min Nam (Daegu Gyeongbuk Institute of Science & Technology (DGIST)), Jihye Lee (Daegu Gyeongbuk Institute of Science & Technology (DGIST)), Kyongseok Park (Korea Institute of Science and Technology Information (KISTI)), Hyunwoo Kim (Korea Institute of Science and Technology Information (KISTI)), Min-Soo Kim (Daegu Gyeongbuk Institute of Science & Technology (DGIST))

GPU-based Graph Traversal on Compressed Graphs
Mo Sha (National University of Singapore), Yuchen Li (Singapore Management University), Kian-Lee Tan (National University of Singapore)