第17届中国计算机系统（ChinaSys）学术研讨会

会议通知

ChinaSys是中国计算机系统及相关领域的学术团体，宗旨是为本领域的研究者和从业者提供资源共享、交换思想和会晤的平台，为了促进中国计算机系统行业的发展，兹定于2019年12月20日-21日在珠海召开17届ChinaSys研讨会，会议主题为：交流和探讨本领域的最新研究成果，具体安排如下：

**一、会议时间**

2019年12月20日-2019年12月21日

**二、会议地点**

珠海唐邑酒店3楼唐邑厅（珠海 高新区唐家湾镇金唐路港湾1号科创园）

**三、日程安排**

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| **December 20th, 2019（3楼唐邑厅）** | |
| **Time** | **Talks** |
| **8:30-8:40** | **珠海国家高新技术产业开发区管委会领导致辞—张静华副主任** |
| **8:40 - 8:45** | **珠海中科先进技术研究院领导致辞—姜长安副院长** |
| **8:45 – 8:50** | **中科院深圳先进技术研究院领导开幕式致辞—喻之斌** |
| **8:50-10:20** | Keynote 1  Speaker: **Onur Mutlu** (ETH Zürich, Carnegie Mellon University) |
| **10:20-10:40** | **Tea Break** |
| **10:40-10:50** | **合影留念** |
|  | Session 1 |
| **10:50-11:10** | **No Barrier in the Road: A Comprehensive Study and Optimization of ARM Barriers (PPoPP 2020)**  Nian Liu, Binyu Zang, and Haibo Chen  Shanghai Jiao Tong University |
| **11:10-11:30** | **BBS: Micro-architecture Benchmarking Blockchain Systems through Machine Learning and Fuzzy Set (HPCA 2020)**  Liang Zhu1, Chao Chen1, Zihao Su1, Weiguang Chen1, Tao Li2, and Zhibin Yu1  1: Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences  2: University of Florida |
| **11:30-11:50** | **Nailgun: Breaking the privilege isolation on ARM (S&P 2019)**  Zhenyu Ning, and Fengwei Zhang  Southern University of Science and Technology |
| **11:50-12:10** | **Adaptive Memory-Side Last-Level GPU Caching (ISCA 2019)**  Xia Zhao1, Almutaz Adileh1, Zhibin Yu2, Zhiying Wang3, Aamer Jaleel4, and Lieven Eeckhout1  1: Ghent University  2: Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences  3: National University of Defense Technology  4: Nvidia |
| **12:10-12:30** | **Retrofitting High Availability Mechanism to Tame Hybrid Transaction/Analytical Processing (Submitted to EuroSys 2020)**  Sijie Shen, Rong Chen, and Haibo Chen  Shanghai Jiao Tong University |
| **12:30-14:00** | **Lunch（3楼唐宴）** |
| **14:00-15:00** | Keynote 2  Speaker: **Tao Li** (University of Florida) |
| **15:00-15:20** | **Tea Break** |
|  | Session 2 |
| **15:20-15:40** | **Occlum: Secure and Efficient Multitasking Inside a Single Enclave of Intel SGX (ASPLOS 2020)**  Youren Shen1, Hongliang Tian2, Yu Chen1, Yubin Xia3, Shoumeng Yan2, and Kang Chen1  1: Tsinghua University  2: Ant Financial  3: Shanghai Jiao Tong University |
| **15:40-16:00** | **DNNGuard: An Elastic Heterogeneous Architecture for DNN Accelerator against Adversarial Attacks (ASPLOS 2020)**  Xingbin Wang, and Rui Hou  State Key Laboratory of Information Security, Institute of Information Engineering, Chinese Academy of Sciences |
| **16:00-16:20** | **Asymmetric Resilience: A System Architecture for Transient Error Recovery in Accelerator-Rich Processors (HPCA 2020)**  Jingwen Leng1, Alper Buyuktosunoglu2, Ramon Bertran2, Pradip Bose2, Quan Chen1, Minyi Guo1, and Vijay Janapa Reddi3  1: Shanghai Jiao Tong University  2: IBM  3: Harvard University |
| **16:20-16:40** | **SuperMem: Revitalizing the Write-through Cache for Secure Persistent Memory (MICRO 2019)**  Pengfei Zuo1, Yu Hua1, and Yuan Xie2  1: Huazhong University of Science and Technology  2: University of California, Santa Barbara |
| **16:40-17:00** | **CoCuckoo: A Write-optimized Concurrent Cuckoo Hashing Scheme for Storage Systems (ATC 2019)**  Yuanyuan Sun, Yu Hua, Zhangyu Chen, and Yuncheng Guo  Huazhong University of Science and Technology |
| **17:00-17:20** | |  |  | | --- | --- | |  | **Adaptive Resource Views for Containers (HPDC 2019)**  Hang Huang1, Jia Rao2, Song Wu1, Hai Jin1, Kun Suo2, Xiaofeng Wu2  1: Huazhong University of Science and Technology  2: University of Texas at Arlington | |
| **17:20-** | **Dinner（3楼唐宴）** |
| **December 21st, 2019（3楼唐邑厅）** | |
| **8:30-9:30** | Keynote 3 Speaker: **Bingsheng He** (National University of Singapore) |
|  | Session 3 |
| **9:30-9:50** | **CrashTuner: Detecting Crash-Recovery Bugs in Cloud Systems via Meta-Info Analysis (SOSP 2019)**  Jie Lu, Liu Chen, Lian Li, and Xiaobing Feng  Institute of Computing Technology, Chinese Academy of Sciences |
| **9:50-10:10** | **Modelling and Analyzing Computations in Graph Neural Networks (****Submitted to SIGMETRICS 2020)**  Zhihui Zhang1, Jingwen Leng1, Lingxiao Ma2, Youshan Miao3, Chao Li1, and Minyi Guo1  1: Shanghai Jiao Tong University  2: Peking University  3: Microsoft |
| **10:10-10:30** | **Tea Break** |
| **10:30-10:50** | **An End-to-End Automatic Cloud Database Tuning System Using Deep Reinforcement Learning (SIGMOD 2019)**  Ji Zhang1, Yu Liu1, Ke Zhou1, Guoliang Li2, Zhili Xiao3, Bin Cheng3, Jiashu Xing3, Yangtao Wang1, Tianheng Cheng1, Li Liu1, Minwei Ran1, and Zekang Li1  1: Wuhan National Laboratory for Optoelectronics, Huazhong University of Science and Technology  2: Tsinghua University  3: Tencent Inc. |
| **10:50-11:10** | **KnightKing: A Fast Distributed Graph Random Walk Engine (SOSP 2019)**  Ke Yang1, Mingxing Zhang1, Kang Chen1, Xiaosong Ma2, Yang Bai3, and Yong Jiang1  1: Tsinghua University  2: Qatar Computing Research Institute, HBKU  3: 4Paradigm Co. Ltd. |
| **11:10-11:30** | **AutoFFT: A Template-Based FFT Codes Auto-Generation Framework for ARM and X86 CPUs (SC 2019)**  Li Zhihao, Haipeng Jia, and Chen Tun  Institute of Computing Technology, Chinese Academy of Sciences |
| **11:30-11:50** | **Capuchin: Tensor-based GPU Memory Management for Deep Learning (ASPLOS 2020)**  Xuan Peng, Xuanhua Shi, Hulin Dai, Weiliang Ma, and Qian Xiong  Huazhong University of Science and Technology |
| **11:50-12:05** | **SIGOPS颁奖** |
| **12:05-12:15** | **闭幕式致辞** |
| **12:15-14:00** | **Lunch（3楼唐宴）** |
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