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

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 Zhu[1], Chao Chen[1], Zihao Su[1], Weiguang Chen[1], Tao Li[2], and Zhibin Yu[1] 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 Zhao[1], Almutaz Adileh[1], Zhibin Yu[2], Zhiying Wang[3], Aamer Jaleel[4], and Lieven Eeckhout[1] 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** 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 Shen[1], Hongliang Tian[2], Yu Chen[1], Yubin Xia[3], Shoumeng Yan[2], and Kang Chen[1] 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 Leng[1], Alper Buyuktosunoglu[2], Ramon Bertran[2], Pradip Bose[2], Quan Chen[1], Minyi Guo[1], and Vijay Janapa Reddi[3] 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 Zuo[1], Yu Hua[1], and Yuan Xie[2] 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 Huang[1], Jia Rao[2], Song Wu[1], Hai Jin[1], Kun Suo[2], Xiaofeng Wu[2] 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** Zhihui Zhang[1], Jingwen Leng[1], Lingxiao Ma[2], Youshan Miao[3], Chao Li[1], and Minyi Guo[1] 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 Zhang[1], Yu Liu[1], Ke Zhou[1], Guoliang Li[2], Zhili Xiao[3], Bin Cheng[3], Jiashu Xing[3], Yangtao Wang[1], Tianheng Cheng[1], Li Liu[1], Minwei Ran[1], and Zekang Li[1] 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 Yang[1], Mingxing Zhang[1], Kang Chen[1], Xiaosong Ma[2], Yang Bai[3], and Yong Jiang[1] 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）