

会议日程

| Time | Sessions | Talks | |
|---------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 8:30-8:35 | 开幕 | | |
| 8:35-9:05 | | 开源芯片与敏捷设计：现状与趋势，包立涛（中科院计算所） | |
| 9:05-9:35 | Session: Keynote I | 高性能安全持久内存系统构建挑战，李宇（华中科技大学） | |
| 9:35-10:05 | | 百度量子平台：迈向量子人工智能，殷海英（百度） | |
| 10:05-10:35 | | 22年度总结，徐涛（上海纽约大学） | |
| 10:35-10:45 | | 茶歇 | |
| 10:45-11:00 | | When Cloud Storage Meets RDMA，高景强（南京大学） | |
| 11:00-11:15 | | PolarDB Serverless: A Cloud Native Database for Disaggregated Data Centers，章毅强（阿里巴巴） | |
| 11:15-11:30 | Session: Cloud & Data Center | Bringing Decentralized Search to Decentralized Services，李明煜（上海交通大学） | |
| 11:30-11:45 | | Confidential Servers Made Efficient with Plugin Enclaves，李明煜（上海交通大学） | |
| 11:45-12:00 | | An In-Depth Study of Correlated Failures in Production SSD-Based Data Centers，韩康捷（香港中文大学） | |
| 12:00-12:30 | | 午餐 | |
| 13:30-13:45 | | The Dilemma between Differentiation and Locality Can Both be Achieved?，黎阳宇（哈尔滨工业大学（深圳）） | |
| 13:45-14:00 | | Concordia: Distributed Shared Memory with In-Network Cache Coherence，汪成（清华大学） | |
| 14:00-14:15 | Session: FAST I - Traditional Storage | Pattern-Guided File Compression with User Experience Enhancement for Log-Structured File System on Mobile Devices，薛春（香港城市大学） | |
| 14:15-14:30 | | Exploring Combined Locality for Wide-Range Erasure Coding in Distributed Storage，程良峰（华中科技大学） | |
| 14:30-14:45 | | ROARR: Range query Optimized Persistent ART，马少楠（清华大学） | |
| 14:45-15:00 | | 茶歇 | |
| 15:00-15:15 | | NM-Bacon: DNN Workload Optimization and Chapel Granularity Exploration for Matching Accelerators，陈鹏达（清华大学） | |
| 15:15-15:30 | Session: ISCA - NN | NASA: Accelerating Neural Network Design with a HMC Processor，陈朝明（中科院计算所） | |
| 15:30-15:45 | | NASGuard: A Novel Accelerator Architecture for ResNet NAS Networks，王洪强（中科院微电子所） | |
| 15:45-16:00 | | Combining a hybrid architecture for efficient training，赵永威（中科院计算所） | |
| 16:00-16:15 | | Session: NVM and Memory I | Bridging the Performance Gap for Copy-based Garbage Collector and Non-Volatile Memory，吴明瑜（上海交通大学） |
| 16:15-16:30 | A Write-Friendly NVM Scheme for Security Metadata with High Availability，黄毅明（华中科技大学） | | |
| 16:30-16:45 | Fast, Flexible and Compressor-Bug Detection for Persistent Memory Programs，狄博（清华大学） | | |
| 16:45-17:00 | Streamline Ring DRAM Accesses through Spatial and Temporal Optimization，张明皓（中科院微电子所） | | |
| 17:00-18:00 | Poster | | |
| 18:00 | 晚宴（越风格酒店，位于会场附近的清湖路661号） | | |
| 2021-05-23 (Day 2): | | | |
| 8:30-9:00 | | 从分布式系统的共识到社会选择，潘礼磊（微软亚洲研究院） | |
| 9:00-9:30 | Session: Keynote II | 图计算和图数据库在金融中的应用和挑战，高文光（清华大学） | |
| 9:30-10:00 | | AI x Database: Search and Analytics in Embedding Spaces，黄人杰（DJI） | |
| 10:00-10:30 | | 应用级流的体系结构，喻之斌（中国科学院深圳先进技术研究院） | |
| 10:30-10:45 | | 茶歇 | |
| 10:45-11:00 | | 神经网络非结构化数据系统构建，戴国涛（清华大学） | |
| 11:00-11:15 | Session: DBN & Graph | Understanding and Bridging the Gaps in Current DBN Performance Optimizations，黄冠利（清华大学） | |
| 11:15-11:30 | | DepGraph: A Dependency-Driven Accelerator for Efficient Iterative Graph Processing，彭达（中科院微电子所） | |
| 11:30-11:45 | | Fusion@D: Achieving Consistent Low Latency for Commodity SSD Array，姜天洋（清华大学） | |
| 11:45-12:00 | | Remap-SSD: Safety and Efficiency Exploiting SSD Address Remapping to Eliminate Duplicate Writes，周源（中科院微电子所） | |
| 12:00-12:15 | | SpanET: A Fast, Cost-Effective LSM-tree Based KV Store on hybrid Storage，陈浩（中国科学院技术大学） | |
| 12:15-13:30 | 午餐 | | |
| 13:30-13:45 | | 面向非结构化数据的推理异构架构和芯片，刘哲宇（清华大学） | |
| 13:45-14:00 | Session: Edge Device | A Systemic View of Leakage Risks in Deep Neural Network Systems，陈少兵（中科院计算所） | |
| 14:00-14:15 | | Fusion-Catalyzed Pruning for Optimizing Deep Learning on Intelligent Edge Devices，李广力（中科院计算所） | |
| 14:15-14:30 | | Achieving Low Tail-latency and High Scalability for Serializable Transactions in Edge Computing，蔡翔升（香港大学） | |
| 14:30-14:45 | | Flux2K: Accelerating Zero-Knowledge Proof with a Pipelined Architecture，曹博（清华大学） | |
| 14:45-15:00 | | Dual-side Sparse Tensor Core，张昊（阿里巴巴） | |
| 15:00-15:15 | Session: ISCA II - Tensor | TENET: A Framework for Modeling Tensor Dataflow Based on Relation-centric Neurons，卢俊强（清华大学） | |
| 15:15-15:30 | | HABCO: Toward Agile Hardware and Software Co-design for Tensor Computation，肖博峰（北京大学） | |
| 15:30-15:45 | | 茶歇 | |
| 15:45-16:00 | | | Mobile-empowered user-centric mobile device storage fusion，石亮（华东师范大学） |
| 16:00-16:15 | Session: NVM and Memory II | TADCO: Test analytics directly on compressor，张磊（中国人民大学） | |
| 16:15-16:30 | | Scalable Memory Protection in PERLCAI Enclave，冯二虎（上海交通大学） | |
| 16:30-16:45 | | 闭幕 | |