OpenFabrics Alliance (OFA) Virtual Workshop 2024
Daily Agenda
As of April 16, 2024

Day 1 Monday, April 22 8:00am - 2:00pm PT
Opening Remarks **Speaker:** Phil Cayton **Time:** 8:00-8:05am PT
Keynote **Speaker:** Pavan Balaji, Meta **Time:** 8:05-9:00am PT
Session 1: "OFI 2.0 Update" **Speaker:** Jianxin Xiong, Intel **Time:** 9:00-9:30am PT
15-minute break Time: 9:30-9:45am PT
Session 2: "Status of OpenFabrics Interfaces (OFI) Support in MPICH" **Speaker:** Yanfei Guo, Argonne National Laboratory **Time:** 9:45-10:15am PT
Session 3: "Accelerating MPI AllReduce Communication with Efficient GPU-Based Compression Schemes on Modern GPU Clusters" **Speakers:** Hari Subramoni and Qinghua Zhou, The Ohio State University **Time:** 10:15-10:45am PT
15-minute break Time: 10:45-11:00am PT
Session 4: "High Performance & Scalable MPI library over Broadcom RoCE" **Speakers:** Mustafa Abduljabbar, The Ohio State University; Hemal Shah, Broadcom Inc; and Shulei Xu, The Ohio State University **Time:** 11:00-11:30am PT
Lunch and email break 11:30am - 1:00pm PT
Session 5: "Scaling Large Language Model Training using Hybrid GPU-based Compression in MVAPICH" **Speakers:** Aamir Shafi and Lang Xu, The Ohio State University **Time:** 1:00-1:30pm PT
Session 6: "OFI Integrated Shared Memory Offload" **Speakers:** Alexia Ingerson, Intel; Shi Jin, Amazon; and Amir Shehata, Oak Ridge National Laboratories **Time:** 1:30-2:00pm PT
2:00pm PT - End of Day 1

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Day 2 Tuesday, April 23 8:00am-2:00pm PT
Session 7: "Managing Composable Disaggregated Infrastructure With OFA Sunfish" **Speakers:** Christian Pinto, IBM Research Europe; Michael Aguilar, Sandia National Laboratories; Phil Cayton, Intel; Russ Herrell, Hewlett Packard Enterprise; and Brian Pan, H3 Platform **Time:** 8:00-8:30am PT
Session 8: "An Integrated Deep Reinforcement Learning Agent for Sunfish and HPC Workload Manager Composable Disaggregated Resource Scheduling" **Speakers:** Catherine Appleby and Michael Aguilar, Sandia National Laboratories **Time:** 8:30-9:00am PT
Session 9: "Cornelis Networks CN5000 Adapter and Software Update" **Speaker:** Dennis Dalessandro, Cornelis Networks **Time:** 9:00-9:30am PT
15-minute break Time: 9:30-9:45am PT
Session 10: "System Composability Using CXL" **Speaker:** Kurtis Bowman, CXL Consortium MWG Co-Chair **Time:** 9:45-10:15am PT
Session 11: "Optimized All-to-all Connection Establishment for High-Performance MPI Libraries over InfiniBand" **Speaker:** Mustafa Abduljabbar and Dhabaleswar Panda, The Ohio State University **Time:** 10:15-10:45am PT
Session 12: "RecoNIC: RDMA-enabled Compute Offloading on FPGA-based SmartNIC" **Speaker:** Guanwen Zhong, AMD **Time:** 10:45-11:15am PT
Session 13: "Designing In-Network Computing Aware Reduction Collectives in MPI" **Speakers:** Dhabaleswar Panda and Bharath Ramesh, The Ohio State University **Time:** 11:15-11:45am PT
Lunch and email break 11:45am-1:00pm PT
Tutorial: "How to setup RDMA CI using the FSDP cluster" and "How to do manual RDMA testing using the FSDP cluster" **Speakers:** Doug Ledford, Redhat and Jeremy Spewock, UNH InterOperability Lab (IOL) **Time:** 1:00-1:55pm PT
Closing remarks **Speaker:** Doug Ledford **Time:** 1:55-2:00pm PT
2:00pm PT - End of Workshop