



OpenFabrics Alliance Workshop

April 4-8, 2016

Marriott Hotel & Conference Center
Monterey, CA

IMPORTANT DATES

Submissions Due
January 18, 2016

Acceptance Notice
February 1, 2016

TECHNICAL PROGRAM COMMITTEE

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CALL FOR SESSIONS

Solving difficult network problems demands an ongoing collaboration between OpenFabrics Software (OFS) producers and users. The **OpenFabrics Alliance (OFA) Workshop** is the premier event for such exchanges geared toward strengthening high performance networks end-to-end. Attending software developers and distributors are joined by a growing number of OFS consumers, including:

- Application end users
- Enterprise data center managers
- Network technology researchers
- Networking middleware developers
- Operating system vendors
- Storage vendors
- System & network administrators
- System OEMs, architects & integrators

Industry experts are encouraged to influence 2016 discussions by leading a session on critical high performance networking issues.

SESSION TOPICS

Proposals may cover various topics, such as:

Communications Middleware

- OpenSHMEM, MPI, UPC++, Gasnet

Distributed Applications Services

- Data analytics
- Distributed memory
- Fabric-attached storage
- Pub/Sub-style applications
- Shared memory

Emerging Technologies

- Byte-addressable memory
- Network Function Virtualization (NFV)
- Non-volatile Memory (NVM)
- Software-defined networking
- Software-defined storage

Network APIs & Software

- Data storage, data access & NVM APIs

OpenFabrics Interfaces (OFI, libfabric), OpenUCX

- Verbs extensions

Network Deployment

- Cloud-based
- Commercial enterprise
- Data analytics
- Government
- HPC
- Virtualized data centers
- Wide-area distributed computing or storage

Management, Monitoring & Configuration

- Adaptive routing
- Congestion control
- Fabric performance monitoring
- InfiniBand IPoB
- Partitioned networks
- Quality of service

Routing between disjoint fabrics

- Security
- Subnet configuration
- Subnet management
- Topologies

Networking Technology

- Atomic operations
- Hardware platforms (x86, ARM, SoCs, embedded)
- InfiniBand architecture
- iWARP
- Multicast & collective operations
- RDMA over Converged Ethernet (RoCE)
- Scalable fabrics (existing & emerging)
- User-level protocols over RDMA (NFS, RPC, etc.)
- Virtualization & virtualization container support

SESSION FORMATS

Single-speaker sessions are 30 minutes. Proposals should stimulate audience participation.

Panel sessions are 60 minutes. Proposals should include panelists and their areas of expertise.

Birds of a Feather sessions or unscripted panel discussions may be included depending on interest.

SUBMISSION INSTRUCTIONS

Submissions should include a topical abstract defining the subject and its networking relevance (max. 200 words); target audience profile; a brief speaker biography; and, the proposed session format.

Submit session proposals online at <http://bit.ly/OFAWS2016> by **January 18, 2016, 5:00 PM PST**. The Technical Program Committee will respond to proposals by **February 1, 2016**.

Contact press@openfabrics.org with questions.