

HEPiX Fall 2026 Workshop

19 October 2026 - 23 October 2026

University of Nebraska - Lincoln

Scientific Program

Site Reports

Concise reports highlighting notable updates, changes, and news from participating sites. Contributions from new sites or those less frequently highlighted are strongly encouraged.

Networking & Security

This track covers issues related to networking technologies and associated monitoring tools, including the planning for and the use of IPv6. It also covers computer security.

Storage & data management

This track covers diverse areas related to storage technologies, from hardware to distributed file systems as well as storage systems and data management tools used to orchestrate the movement and distribution of data.

Cloud Technologies, Virtualization & Orchestration, Operating Systems

This track focuses on modern orchestration tools (like Kubernetes) for managing and scaling containerized applications. It also covers operating systems, grid services, cloud technologies, and virtualization as foundations for dynamic resource provisioning.

Computing & Batch Services

This track is about computing technology tracking, benchmarking, HPC, GPU processors and batch schedulers used in High Throughput Computing.

Environmental sustainability, business continuity, and Facility improvement

This track discusses news on, and experience with, computer rooms, cooling, electricity and facility monitoring, including any measures to improve energy efficiency. In addition, it covers the strategy for providing/improving business continuity.

Software and Services for Operation

This track covers the services that are needed as a layer between the facilities and the user-facing services, for example configuration, IaaS, CMDB, and monitoring. It also discusses services that are user-facing such as mail, version control, issue tracking, messaging, and service management.

Applied AI in Computing Center Infrastructures

As computing infrastructures grow in scale and complexity, AI offers new opportunities to transform how centers are operated and managed. This track discusses applied AI use cases in computing centers, including intelligent automation, adaptive resource management, and decision support systems. Speakers will share experiences from production environments, discuss data and model challenges, and outline future directions for AI-driven infrastructure management within the HEPiX community.

"Show Me Your Toolbox"

The session related with this track features quick interactive demonstrations of tools of interest to the HEPiX community that participants find useful. Registering via submitting an abstract will be appreciated, but there will also be time for spontaneous contributions.

Advances in Orchestrated Computing Platforms (Topical Session)

For this session, we invite presentations about new developments, implementations and applications related to Kubernetes-based computing platforms. Developments related to the design, deployment and management of Analysis Facilities, as well as implementation of AI Ops in computing platform management, would be of particular interest.

Managing Facilities in a Shifting Technology Market (Topical Session)

This topical session will explore strategies for maintaining and managing facilities in an unpredictable hardware market. It will begin with a summary of the Joint HEPiX-WLCG Site Survey (planned for September) and expects to address topics such as extending hardware lifetimes, impact on personnel and maintenance effort, leveraging external national resources, etc. We expect the outcome of this session to provide some input for the WLCG/HSF workshop in November.

Miscellaneous

If you have something that doesn't fit in any other track...