HEPiX Spring 2027 Workshop

12 April 2027 - 16 April 2027

KIT Campus

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.

Miscellaneous

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