

Session Program

25-29 May 2026

**28th Conference on Computing in High
Energy and Nuclear Physics (CHEP 2026)**

Track 4 - Distributed computing

Chulalongkorn University

Monday 25 May

13:45

Track 4 - Distributed computing: Security and AAI

Session | Location: Chulalongkorn University

13:45-14:03 **The Many Faces of Authentication and Authorisation at CERN**

Speaker

Berk Balci

14:03-14:21 **Deployment of site-focused security event detection capabilities**

Speakers

David Crooks, Dr David Crooks

14:21-14:39

Hardening and Federating INDIGO IAM for Secure and Interoperable Research Infrastructures

Speaker

Francesco Giacomini

14:39-14:57 **SSH with federated identities**

Speakers

Marcus Hardt, Dr Marcus Hardt

14:57-15:15

A workflow based approach to risk assessment and analysis arising from token based authentication within the WLCG

Speaker

Mr Tom Dack

15:15

16:15

Track 4 - Distributed computing: Scheduling and Resource Allocation

Session | Location: Chulalongkorn University

16:15-16:33 **Multicore workload scheduling, then vs. now**

Speaker

Jeff Templon

16:33-16:51

Job scheduling optimization for heterogeneous resources in the ALICE Grid

Speaker

Maria-Elena Mihailescu

16:51-17:09

Advanced support for heterogeneous resources for the future CMS Offline Computing

Speaker

CMS Collaboration

17:09-17:27

Fair-Share Versus Opportunism in Multi-VO Environments: The Complexity of Job Slot Allocation at the RAL Tier-1

Speaker

Dr Brij Kishor Jashal

17:27-17:45

Whole-node scheduling in ALICE: lessons learnt during five years of operation

Speaker

Marta Bertran Ferrer

17:45-18:03

Advanced Scheduling Strategies for Improved CPU Efficiency in CMS Offline Computing

Speaker

CMS Collaboration

18:03

Tuesday 26 May

13:45

Track 4 - Distributed computing: Middleware 1

Session | Location: Chulalongkorn University

13:45-14:03

Advancing Workflow Validation at Scale: A Modern and Containerized HammerCloud Architecture for the WLCG

Speaker

Lorenzo Valentini

14:03-14:21

Evolving PanDA: Toward Sustainable, Intelligent, and Heterogeneous Workload Management in ATLAS and beyond

Speaker

Fernando Harald Barreiro Megino

14:21-14:39

Scaling ePIC Simulation Production: Distributed Workflow and Data Management

Speakers

Sakib Rahman, Sakib Rahman

14:39-14:57

DiracX in action

Speaker

Alexandre Franck Boyer

14:57-15:15

Toward a Sustainable Workload Management Architecture for CMS at HL-LHC

Speaker

Andrea Piccinelli

15:15

16:15

Track 4 - Distributed computing: AI for Operations

Session | Location: Chulalongkorn University

16:15-16:33

Dr.Sai: A Pioneering LLM-Based Autonomous Agent for Physics Analysis at BESIII

Speaker

Zhengde Zhang

16:33-16:51

Artificial Intelligence for Operations at CMS

Speaker

Pietro Lugato

16:51-17:09

An On-Grid deployment of ML Inference as a service at a Tier-2

Speaker

Albert Gyorgy Borbely

17:09-17:27

"ChatGPT run my workflow": Exploring agentic AI interfaces to workflow management

Speaker

Brian Paul Bockelman

17:27-17:45

AI in the EGI e-infrastructure - Past experiences and future strategies

Speaker

Sergio Andreozzi

17:45-18:03

Towards Autonomous Computing Operations with AI Assistance for Belle II Experiment.

Speaker

Mr Dhiraj Kalita

18:03

Wednesday 27 May

13:45

Track 4 - Distributed computing: Middleware 2

Session | Location: Chulalongkorn University

13:45-14:03

A generalized Workflow Manager for Continuous Gravitational-wave search

Speaker

Stefano Dal Pra

14:03-14:21

Aligning DIRAC Workflows with CWL: A Unified and Reproducible Workflow Model for Grid-Scale Computing

Speaker

Ryunosuke O'Neil

14:21-14:39

IceCube Takes Flight with Pelican - A First Experience

Speaker

David Schultz

14:39-14:57

Evolving CRIC for the HL-LHC Era: Supporting WLCG and experiment Operations

Speaker

Panos Paparrigopoulos

14:57-15:15

Workflow Architecture and Implementation for Simulation Data Production in HERD

Speaker

Jingyan Shi

15:15

16:15

Track 4 - Distributed computing: Computing Model and Distributed Computing Ops

Session | Location: Chulalongkorn University

16:15-16:33

Gravitational-wave computing for O4 and beyond

Speaker

Dr Stefano Bagnasco

16:33-16:51

The Einstein Telescope Computing Model

Speaker

Paul James Laycock

16:51-17:09

ATLAS Distributed Computing towards LHC Run4

Speaker

Ivan Glushkov

17:09-17:27

The ePIC Streaming Computing Model

Speaker
Holly Szumila-Vance

17:27-17:45

JUNO distributed computing production experience for first-year data taking

Speaker
Xiaomei Zhang

17:45-18:03 **Distributed computing system for the SPD experiment**

Speaker
Artem Petrosyan

18:03

Thursday 28 May

13:45

Track 4 - Distributed computing: HPC & Advanced Systems

Session | Location: Chulalongkorn University

13:45-14:03

Systematic studies of RDataFrame-based CMS analysis distributed over an HPC-Bubble

Speaker

Luca Pacioselli

14:03-14:21

Extending PanDA/Harvester to US HPC Through Facility and Edge Service APIs

Speakers

Doug Benjamin, Douglas Benjamin

14:21-14:39

Cross-Facility Workflow Portability for HEP Experiments: Integrating JustIN with the NERSC Superfacility API using DUNE 2x2

Speaker

Ozgur Ozan Kilic

14:39-14:57

CernVM-FS Filebundles for low-latency data distribution in interactive usecases

Speaker

Valentin Volkl

14:57-15:15

Real-time supervision and control of Grid workflows

Speaker

Marta Bertran Ferrer

15:15

16:15

Track 4 - Distributed computing: Monitoring and Accounting

Session | Location: Chulalongkorn University

16:15-16:33

CMS Monitoring infrastructure beyond Run 3

Speaker

Carlos Borrajo Gomez

16:33-16:51

Next-Generation Accounting Architecture for WLCG and EGI #30

Speaker

Panos Paparrigopoulos

16:51-17:09

A look inside the ALICE Grid: visualisation tools to better understand how the system operates

Speaker

Marta Bertran Ferrer

17:09-17:27

Enabling monitoring of GPU accelerators in the ALICE Grid

Speaker

Maksim Melnik Storetvedt

17:27-17:45

MONIT: Evolution towards new observability ecosystems

Speaker

Borja Garrido Bear

17:45-18:03

The AUDITOR Ecosystem: High-Performance, Low-Memory Accounting with Integrated CO₂ Utilization Reporting for Distributed HEP Computing

Speaker

Raghuvar Vijayakumar

18:03