

CHEP 2018 Conference, Sofia, Bulgaria

Monday 09 July 2018 - Friday 13 July 2018

Sofia, Bulgaria

Scientific Programme

The CHEP conferences address the computing, networking and software issues for the world's leading data-intensive science experiments that currently analyze hundreds of petabytes of data using worldwide computing resources. The Conference is a major event in the area (~500 participants), featuring plenary sessions, parallel sections and poster presentations; it publishes peer-reviewed Proceedings. The parallel sessions are split into 8 separate tracks, listed below

Track 1 - Online computing

****Keywords:**** DAQ; HLT; trigger and trigger-less acquisition; data calibration; online reconstruction; filtering and compression; event building; configuration and access controls; detector control systems.

Track 2 – Offline computing

****Keywords:**** Event generation; simulation and reconstruction; detector geometries; data classification; visualization and data presentation; outreach.

Track 3 – Distributed computing

****Keywords:**** Computing models; Grid middleware; monitoring and accounting frameworks; security models and tools; distributed workload; HPC and supercomputers.

Track 4 - Data Handling

****Keywords:**** Storage management frameworks; data access protocols; object, metadata and event store systems; databases.

Track 5 – Software development

****Keywords:**** Software frameworks; software management, building, testing, quality assurance and distribution; programming techniques and tools.

Track 6 – Machine learning and physics analysis

****Keywords:**** Algorithms for physics object identification; machine learning systems and tools; data and analysis preservation.

Track 7 – Clouds, virtualization and containers

****Keywords:**** Cloud, virtual machines and container technologies; anything-as-a-service; private and commercial clouds.

Track 8 – Networks and facilities

****Keywords:**** LAN and WAN; overlay, private and virtual networks; monitoring and management tools; computing centre infrastructure, management and monitoring.

Posters in all tracks

For all authors of posters: Please note that the posters should be in ****A0 format**** and will be exhibited in the poster section of CHEP from the start to the end of the conference