Monday, 17 March 2025 - Friday, 21 March 2025

Scientific Programme

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Topic of Interests:

Advancements in AI and Quantum Computing for High-Energy Physics

Exploring applications of machine learning, deep learning, and quantum algorithms in particle physics data analysis.

Distributed Data Management and Big Data Processing

Challenges and solutions for managing geographically distributed datasets in high-energy physics experiments.

System Optimization: Performance Analysis and Tuning

Strategies for analyzing system performance and optimizing computing resources for large-scale experiments.

Workload Scheduling for Efficient Data Processing

Innovations in workload scheduling to handle large-scale and dynamic computing tasks effectively.

Virtual Collaboration in Scientific Research

Lessons learned from managing virtual organizations and collaborations during the COVID-19 pandemic.

Evolving Computing Models for Large-Scale Datasets

Insights into computing model advancements for handling extensive and globally distributed datasets.

Sustainable Computing: Moving Towards Carbon Neutrality

Examining trends and strategies in computing operations to achieve sustainability and reduce carbon footprints.