

Unraveling Grid Computing: From Basics to WLCG

Tuesday 16 April 2024 11:30 (1 hour)

In an era where computational demands surpass the capabilities of individual systems and where collaboration across borders becomes paramount, grid computing is the foundation for today's collaborative research. It enables users to access and analyze experiment data from all around the world without further knowledge of the complex systems in the background.

In this lecture, however, we will glance behind the user's single point of entry and delve into the foundational aspects of grid computing, from the historical background to the key concepts of a decentralized modern grid infrastructure.

After the key concepts, we will examine the Worldwide LHC Computing Grid (WLCG) - the world's most sophisticated scientific computing grid - as a paradigm of contemporary grid infrastructure.

Attended school

Number of exercise hours

Number of lecture hours

Presenter: HOFSAESS, Robin (KIT - Karlsruhe Institute of Technology (DE))