

Data access in the High Energy Physics community

Wednesday, February 24, 2010 9:00 AM (40 minutes)

In this talk we pragmatically address some general aspects about massive data access in the HEP environment, starting to focus on the relationships that lie among the characteristics of the available technologies and the data access strategies which are consequently possible. Moreover, the upcoming evolutions in the computing performance available also at the personal level will likely pose new challenges for the systems that have to feed the computations with data. The talk will introduce then some ideas that will likely constitute the next steps in the evolution of this kind of worldwide distributed systems, towards new levels of performance, interoperability and robustness. Efficiently running data-intensive applications can be very challenging in a single site, depending on the scale of the computations; running them in a worldwide distributed environment with chaotic user-related random access patterns needs a design which avoids all the pitfalls which could harm its efficiency at a major degree.

Primary author: Dr FURANO, Fabrizio (Conseil Europeen Recherche Nucl. (CERN))

Presenter: Dr FURANO, Fabrizio (Conseil Europeen Recherche Nucl. (CERN))

Session Classification: Wednesday, 24 February - Plenary Session

Track Classification: Computing Technology for Physics Research