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Séminaires de l'IDRIS

SynfiniWay: When GRID meets Cloud

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With the advent of truly global organisations spanning multi-site, multi-country and multi-regions, business processes require the capability to operate over a dynamic and global scope of resources which are distributed across multiple business networks.

The goal of SynfiniWay is to address the key business drivers of the global enterprise and build a software environment that makes distributed and global IT infrastructures usable on a daily basis. To achieve this, SynfiniWay introduces an innovative way of utilizing the global information infrastructure as a platform for computation, data sharing, and collaboration to make distributed computing usable, comfortable, and effective. SynfiniWay supports global networks and business processes by combining key technologies within a single integrated framework. These include:

- High level meta-scheduling*
- Support for complex business workflows*
- Implicit point-to-point data movement throughout*
- Uniform service oriented view of IT resources*
- Single sign-on access to all authorised resources*
- Distributed administration*
- Dynamic resource discovery*

Dr. Pierre Lagier is Technical Director at *Fujitsu Systems Europe (FSE)*. He is involved in high performance computing technical activities in Europe in collaboration with Fujitsu Ltd. and Fujitsu Labs in Japan.

Dr. Didier Plaindoux is leading the R&D team at *Fujitsu Systems Europe (FSE)*. He is in charge of the design and implementation of *SynfiniWay*. He was involved in the design of Fujitsu HPC programming environment “ParallelNavi-Workbench”.

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