

FENIX: REALISING A NEW PARADIGM FOR COLLABORATIVE SUPERCOMPUTING RESEARCH INFRASTRUCTURES

Dirk Pleiter

*Application-oriented technology development
Forschungszentrum Jülich, Jülich Supercomputing Centre
University of Regensburg, Department of Physics
The Cyprus Institute, Computation-based Science and Technology Research Center*

E-mail: d.pleiter@fz-juelich.de

In this talk we report on a recently started effort of five European supercomputing centres towards a federated research infrastructure featuring scalable computing resources, interactive computing resources as well as different types of data services. For this purpose these centres will put a set of infrastructure services in place, which can be used by different research communities for creating community specific platform services. While the brain research community organised within the Human Brain Project is the main driver for this initiative, the materials science community is a strong candidate for exploiting these infrastructure services.