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Séminaires de l'IDRIS

Grid Computing with Globus

Jeudi 16 décembre 2010 (10h30-12h)

Helmut Heller

Leibniz Supercomputing Centre (LRZ)

Grid computing hides the idiosyncrasies of computing sites behind a veil of middleware and thus makes resource utilization easier and more uniform for the users. Globus (www.globus.org) is one of the most-used Grid middlewares worldwide.

In this talk we will give a historical perspective on the development of the Globus middleware, how it relates to other middlewares, like UNICORE, gLite, and ARC, its current status and planned future developments, where it is being used, and how it is supported in Europe (i.e., by IGE — The Initiative for Globus in Europe — www.ige-project.eu). We will also give a short introduction to the basic components of the Globus toolkit and show how they can be used for interactive work, data transfer and computing.

After a PhD in theoretical biophysics, where he simulated the largest biophysical systems of that time on a self-built 60 node parallel computer, Dr. Helmut Heller joined *Leibniz Supercomputing Centre's* scientific staff in the area of high performance computing in 1997. Since 2001 Dr. Heller focusses on Grid computing with Globus and works in many national and international Grid projects, like D-Grid, DEISA, PRACE, EGI, LCG. In April 2007 the new *Distributed Resources Group* was established at LRZ, with Dr. Heller as its leader. Since 2010 he is also the director of the EU FP7 project *Initiative for Globus in Europe*.

L'accès à ce séminaire est libre mais l'enregistrement est obligatoire à l'adresse <http://www.idris.fr:data/seminaires>

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