

Grid Portal Workshop

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Presenters:

Jason Novotny, Michael Russell and Oliver Wehrens, GridSphere Team.

Background:

The Grid Portals Workshop will focus on the JSR168 specification for portlets.

The JSR168 specification is a popular choice to develop grid portals for the research community. The specification is supported by various industry giants and adopted by major grid portal development groups in US, Europe and Australasia.

GridSphere is one of the popular portal containers to host JSR168 based portals and there are various GridPortlets released for GridSphere (www.gridisphere.org).

The workshop will be delivered by the core GridSphere team - Jason Novotny, Michael Russell and Oliver Wehrens.

Targeted audience:

This workshop is targeted for intermediate to advanced developers of portals and grid environments. A basic understanding of the portlet API is assumed from the participants.

Topics:

1. Portlet API tutorial

Advanced tips and techniques to get the most out of the Portlet API.

2. Developing application specific Portals using GridSphere/GridPortlets

This session will cover best approaches to design application specific interfaces that make use of the portal framework. The focus will be on using the existing grid framework provided by GridSphere/GridPortlets, including a discussion on plug-ins to GridPortlets versus application specific portlets.

3. Building Globus Toolkit 4 (GT4) based Portlets with GridSphere/GridPortlets

Tutorial on building new GT4 based portlets and how to migrate the current portlets (based on GT 2.4.x or GT 3.x) to utilize GT4 technologies.

4. Web Services for Remote Portlet (WSRP) overview

An overview on the current state of WSRP and its relevance to the future portal development.

5. Tutorial on the interoperability of portlets in different portal containers (such as Apache's Pluto, GridSphere etc)

A common concern with portal development is interoperability between portal containers. JSR168 compliance promised to bring portability between containers. This session will look at the issues involved with deploying GridSphere portlets in other containers, and vice versa.