

## **GGF-17 Applications Workshop**

(Tokyo, Japan)

### **Bridging the Divide:**

## **Community Application Requirements Driving Standards Development**

Thursday, May 11, 2006

Session 1: 09:00-10:30 G409

Session 2: 11:00-12:30 G409

### **Session Summary:**

This workshop will provide a showcase of standards and community activity within GGF by bringing together groups in three different areas (Standards Applications, Community Industry Applications & Community Research Applications). Through a series of presentations we will show the current state of the standards activity and critically the current barriers to pervasive adoption as perceived by the consuming user community. Finally, a panel session will help to define areas of collaboration and potentially new areas for standards development.

### **Session Description:**

GGF has an active standards and community areas focusing on engagement with application developers and tool builders in research and industry. For these separate areas to work effectively we need to build a relationship where the APIs being developed within the standards area are relevant to the research and industry consumers, and in turn the application and tool builders are communicating to the standards area their requirements in terms of stable defined interfaces.

With the greater emphasis on GGF's redefined standards and community functions, and the factorization of the standards area into having an 'umbrella' research group to drive the coordinated development of a set of consistent APIs across several working groups, there is a need to establish the communication links between the standards and community areas for Applications.

This workshop, hopefully the first of many, will start to establish the communication links and provide a showcase as to the current state of the standards development and the current priorities for application and tool development in industry and research. In addition, it will provide a general dissemination mechanism of activity to developers and users (both critical consumers in terms of achieving pervasive grid adoption) and the wider GGF community as to activity in the standards and community areas.

### **Session Leaders:**

Dieter Kranzmueller, Steven Newhouse, Thilo Kielmann, Craig Lee

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#### **Agenda**

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#### **Session 1:**

#### **“Current Status – Development of Standard APIs”**

Chair: Steven Newhouse

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09:00-10:30 G409

- Welcome, Motivation & Goals (Steven Newhouse) [10 min]
  - DRMAA – Distributed Resource Mgmt App API (Andre Merzky) [20 min]
  - GridRPC – Grid Remote Procedure Call (Hidemoto Nakada) [20 min]
  - SAGA – Simple API for Grid Applications (Thilo Kielmann) [20 min]
  - Discussion [20 min]
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#### **Session 2:**

#### **“Consuming Standards – Current Uses and Future Requirements”**

Chair: Dieter Kranzlmüller

Thursday, May 11, 2006

11:00-12:30 G409

- Summary of Session 1 and Intro to Session 2 (Dieter Kranzlmüller) [10 min]
- Astronomical Grid Community (Reagan Moore) [20 min]
- NAREGI – National Research Grid Initiative (Mutsumi Aoyagi) [20 min]
- Grid Application Integration (Chris Smith) [20 min]
- Discussion [20 min]