



# GGF11

June 6-10, 2004

Hilton Hawaiian Village Beach  
Resort & Spa 2005 Kalia Road  
Honolulu, Hawaii 96815







## Overview

- 当初は、“Enterprise Grid” にフォーカスする予定であったが、GGF12に延期  
“Grids Deployed in the Enterprise” at Brussels
- 若干のPlenaryとTutorial を実施
- Workshop 4 件
- Tutorial 9件中 6 件実施



## Workshop

-  **BUILDING SERVICE BASED GRIDS WORKSHOP**  
 6/6 9:00-18:00 by OGSJ , OGSA
-  **MANAGEMENT OF SERVICES IN PRODUCTION GRIDS WORKSHOP**  
 6/7 12:30-16:30 by PGM-RG
-  **Social Factors, Humanities, Arts and Social Sciences: Old Challenges and New Disciplines for Grid Computing WORKSHOP**  
 6/10 8:30-17:30 by SOCIAL ISSUES IN GRID (SIG-RG) ,  
 Humanities, Arts and Social Sciences(HASS-RG)
-  **1st International Semantic Grid Symposium WORKSHOP**  
 6/10 8:30-17:30 by SEM-RG




### BUILDING SERVICE BASED GRIDS WORKSHOP

6/6 9:00-18:00

#### Building Service Based Grids - Programme





##### Session 1:

-  **Introduction & Workshop Goals**
-  **Using Service based Grids - Application Activity**
  -  Capture user requirements through real use cases
  -  Capture service functionality
  -  Capture required services


##### Session 2:

-  **Using Service based Grids - Application Activity (cont.)**





##### Session 3:

-  **Building Service based Grids - Being a Service Provider**
  -  Service specifications (interface)
  -  Service behaviour (functionality)
  -  Support provided by the service infrastructure and behaviour.

##### Session 4:

-  **Building Service based Grids - Being a Service Provider (cont.)**

##### Session 5:

-  **Panel: What services do we need to provide and how do we provide them?**
  -  Explore the commonalities in the required services
  -  Explore commonalities between services ? can we quickly define any experimental specifications?
-  **Wrap up, report, etc.**



## MANAGEMENT OF SERVICES IN PRODUCTION GRIDS WORKSHOP

6/7 12:30-16:30

### D. Provisional Programme

We envisage a half-day programme consisting of talks covering the management and services of:

#### Introduction & Welcome (10min)

##### Session 1:

- ▶ UK e-Science Grid (20min)
- ▶ TeraGrid (20min)
- ▶ APOGrid (20min)
- ▶ EUDatagrid/EGEE (20min)

#### Break

##### Session 2 :

- ▶ iVDGL (20min)
- ▶ NASA IPG (20min)
- ▶ Open Mic Panel Session: Open Issues & Next Steps (30 min)



## Social Factors, Humanities, Arts and Social Sciences: Old Challenges and New Disciplines for Grid Computing WORKSHOP

6/10 8:30-17:30

### Workshop Topics

- Success Stories around the globe in arts, humanities and social sciences and how various organizations have managed to deploy grid.
- Examine various organizational issues faced during Grid deployment .
- Address the need and possible solutions for a Grid-Friendly-Software-Licensing-Model (Inter-organization, cross country issues etc)
- Educate GGF participants about the social dynamics and issues involved in grid computing.
- Demonstrate how HASS researchers' creative processes can be expanded by the use of grid technologies.
- Educate current and new GGF technologists about these newly emerging/nontraditional areas in grid computing.
- Cost savings (time and resources) benchmarks due to Grid deployment.



## 1st International Semantic Grid Symposium WORKSHOP

6/10 8:30-17:30

## Invited Presentations

- Semantic Grid Application Case Study 1 - Exploring Williams-Beuren Syndrome Using myGrid
  - R.D. Stevens, H.J. Tipney, C.J. Wroe, T.M. Oinn, M. Senger, P.W. Lord, C.A. Goble, A. Brass,
- Semantic Grid Application Case Study 2 - Engineering semantics: Costs and Benefits
  - Simon Cox, Chen L, Puleston C, Tao F, Goble CA, Shadbolt NR

## Accepted Papers

- OWL-Based Resource Discovery for Inter-Cluster Resource Borrowing
  - Hideki Yoshida, Nobuo Sakiyama, Toshibumi Seki, Tatsunori Kanai, Tetsuro Kimura
- Designing Ontologies and Distributed Resource Discovery Services for an Earthquake Simulation Grid
  - Mehmet S. Aktas, Marlon Pierce, Geoffrey C. Fox
- The Integration of Grid and Peer-to-peer to Support Scientific Collaboration
  - Tran Vu Pham, Lydia M S Lau, Peter M Dew
- Interoperability and Transformability through Semantic Annotation of a Job Description Language
  - Jeffrey Hau, William Lee, Steven Newhouse



## 1st International Semantic Grid Symposium WORKSHOP


6/10 8:30-17:30


- Distributed Data Management and Integration Framework: The Mobius Project
  - Shannon Hastings, Stephen Langella, Scott Oster, Joel Saltz
- Collaborative Tools in the Semantic Grid
  - Michelle Bachler, Jessica Chen-Burger, David De Roure, Simon Buckingham Shum, Jeff Dalton, Danus Michaelides, Marc Eisenstadt, Kevin Page, Stephen Potter, Jiri Komzak, Austin Tate, Nigel Shadbolt
- RDF and workflow generation
  - Peter Vanderbilt, Piyush Mehrotra
- Using the Semantic Grid to Build Bridges between Museums and Indigenous Communities
  - Jane Hunter, Ronald Schroeter, Bevan Koopman, Michael Henderson
- eBank UK - Linking Research Data, Scholarly Communication and Learning
  - Liz Lyon, Rachel Heery, Monica Duke, Simon Coles, Mike Hursthouse, Jeremy Frey, Les Carr, Christopher Gutteridge





### GGF11 Tutorials Schedule


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**Tutorial 1 :**  **How to Grid Enable Applications**  
 ▶ Chris Smith (Platform Computing)


**Tutorial 2 :**  **TeraGrid Data Strategies**  
 ▶ Patricia Kovatch (UCSD)


**Tutorial 3 :**  **Grid Economy and the Management of Computational and Data Grids** **CANCELLED**  
 ▶ Kurt Stockinger and Rajkumar Buyya (University of Melbourne)


**Tutorial 4 :**  **Grid Computing using .NET and WSRF.NET**  
 ▶ Marty Humphrey (UVA)



**Tutorial 5 :**  **The Globus Toolkit "Ecosystem" (and how to make it work for you)**  
 ▶ Lee Liming (ANL)

**Tutorial 6 :**  **UNICORE for Enterprise Grids**  
 ▶ Philipp Wieder (GRC-Jülich)

**Tutorial 7 :**  **Extending and Applying the Community Scheduler Framework (CSF)** **CANCELLED**  
 ▶ Chris Smith (Platform)

**Tutorial 8 :**  **An Introduction to the Common Information Model (CIM)**  
 ▶ Andrea Westerinen, (Cisco)

**Tutorial 9 :**  **OGSA Data Access and Integration (OGSA-DAI)** **CANCELLED**  
 ▶ Amy Krause and Neil Chue Hong (EPCC)







Grid Consortium Japan  
グリッド協議会


### BOF

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**[ARCH]**

-  **Enterprise Grid-RG**  
▶ 6 / 7 4pm-5:30pm  
▶ room Coral 3
-  **Grid Exchange-RG**  
▶ 6 / 8 2pm-3:30pm  
▶ room Nautilus 2
-  **Social Issues In Grid-RG**  
▶ 6 / 9 8am-9:30am  
▶ room Nautilus 2


**[ISP]**



-  **Network Measurements-RG**  
▶ / pm- : pm  
▶ room

**[DATA]**

-  **Transaction Management-RG**  
  
~Session 1~  
▶ 6 / 8 10am-11:30am  
▶ room Nautilus 2  
  
~Session 2~  
▶ 6 / 9 12:45pm-2:15pm  
▶ room South Pacific 4
-  **Access to Data in Files-WG**  
▶ 6 / 9 10am-11:30am  
▶ room Nautilus 1

**[P2P]**

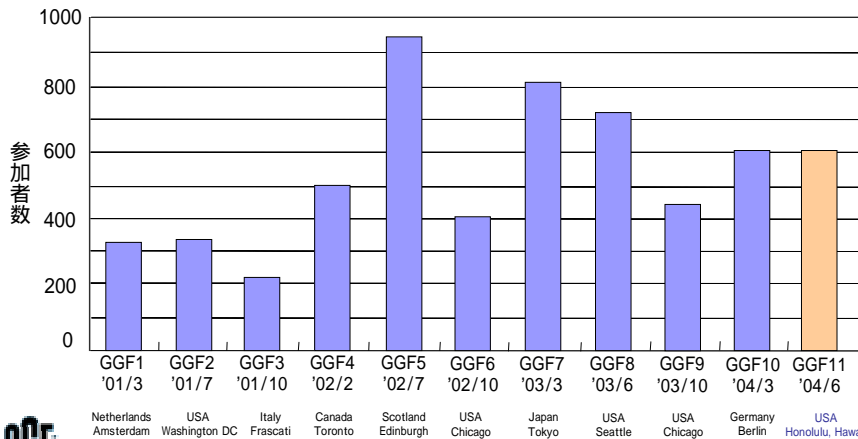
-  **Peer To Peer Discovery-RG**  
▶ 6 / 8 4pm-5:30pm  
▶ room Nautilus 1

Grid Consortium Japan  
グリッド協議会

## GGF11:参加者数

参加者:600人以上が参加



Plenary, Tutorial なし



## GridWorld2004



- 2004年4月27-28日 TFTホール
- 世界初のグリッドに関する展示会・シンポジウム
- 3000人登録、2000人来場、20団体による展示



## GridToday 04



- 2004年5月24-26日 フィラデルフィアCC
- 米国におけるグリッドに関する展示会
- 400人参加、26団体による展示



## スポンサー

- Platinum Sponsor
  - ▶ Sun microsystems
- Gold Sponsor
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- Silver Sponsor
  - ▶ IBM, DataSyapse, GGF
- Lunch/Reception Sponsor
  - ▶ Linux Networks, IBM, GGF



## 展示ブース

- Sun Microsystems, Inc
- Linux Network
- Force 10 Networks
- IBM
- DSstar
- DataSynapse
- Global Grid Forum
- InfiniCon Systems
- Mellanox Technologies
- Pittsburgh Supercomputing Center
- Chelsio Communications
- Picocon Technologies, Inc.
- DataDirect Networks, Inc.
- The 451 Group
- GigaSpaces Technologies Ltd.
- United Devices
- Paremus
- Gridwise Technologies
- Powerllel
- Emic Networks
- TurboWorx, Inc.
- 3PAR, Inc.
- MCNC, Grid Computing and Marketing Services
- INTEL Internet Cafe



## VIP Summitの内容

- To Grid or Not to Grid :That is the Question?
  - ▶ J.S. Hurley , Grid Evaluation ( The Boeing ) :  
本イベントのプログラムチェアでもあるBoeing社のGridに関する責任者J.S. HurleyによるKeynoteで企業におけるグリッドの効用や問題点などについての概要
- The Impact of Grid Computing
  - ▶ Robert B. Cohen ( Economic Strategy Institute ) :  
米国におけるコンサルタント業を営むRobert Cohen氏によるグリッド市場の予測
- Grid Market Evolutions and Revolutions
  - ▶ Earl C. Joseph ( IDC ) :  
IDCのEarl Joseph氏によるHPC(グリッドおよびクラスター)に関する市場動向



## VIP Summitの内容

### <ベンダーおよびユーザ事例の発表>

- The Grid Datacenter - A Business Imperative for Competitive Advantage
  - ▶ Shahin Khan ( Sun Microsystems, Inc ) :
- Dispersed File Systems for Content Delivery Applications
  - ▶ Gian-Paulo D. Musumeci ( AOL ) :
  - SUNとAOL : ストリーミング配信の事例
- The Convergence of Computing and Communication
  - ▶ Tom Gibbs ( Intel ) :
- The Motivation, Unique Aspects, and Benefits of the Hybrid Grid
  - ▶ Steffen Neumann ( DaimlerChrysler ) :
  - IntelとDaimlerChrysler : LS-DYNAのCluster およびデスクトップPC上でのMPI  
実行。資源の仮想化にはUnited Device社のGrid MPを用いている。



- Enterprise Grid Management
  - ▶ Bobby Baker ( HP ) :
- The Evolution Toward Assured Grid Services
  - ▶ Piet Bel ( British Telecom ) :
  - HPとBritish Telecom : Grid Service Providerの実現を目指している。ブローカ的役割を果たしたいとの決意を見せる。
- Experience the Power of Grid Computing for the On-demand Era
  - ▶ Albert J. Bunshaft ( IBM ) :
- Emerging and Fostering Grid Computing in the Johnson & Johnson Pharmaceutical Research and Development Sector
  - ▶ Jeffrey C. Mathers ( Johnson & Johnson ) :
  - BMとJohnson & Johnson : 創薬のシミュレーションを中心としたComputational Gridの構築事例。
- Grid Computing to Improve Application Performance
  - ▶ Frank Cicio ( Data Synapse ) :
  - ▶ Joseph R. Glace ( Exelon )
  - DataSynapseとExelon : Energy企業として多くの要因の中でシナリオとリスク評価にグリッドを利用。



## 第11回GGF調査会議題

13:00 - 15:00

伊藤 智(産総研)15分 13:00 - 13:15

全体概要

武宮 博(日立東日本ソリューションズ)15分 13:15 - 13:30

・Application エリア 関連

宮城 雅人(NECソフト)15分 13:30 - 13:45

・semantic Grid, Workflow management-RG  
Building Services Based Grids Workshop など

小島 功(産総研)25分 13:45 - 14:00

・Dataエリア関連

安崎 篤郎(日立)15分 14:00 - 14:15

・CMM-WG, CIM Based Grid Schema-WG,

古城 隆、蒲池 恒彦(NEC)15分 14:15 - 14:30

・CDDL-WG, GRAAP-WG

岸本 光弘(富士通)25分 14:30 - 14:45

・OGSA-WG, JSDL-WG

・OGSA-WG, JSDL-WG

