

# The First Australian Grid Forum Workshop

9<sup>th</sup> & 10<sup>th</sup> December 2002, Melbourne, Victoria, Australia

<http://www.gridbus.org/ozgrid/>

## Program Schedule

### DAY 1 – 9<sup>th</sup> Dec, 2002

9.00-10.00	Workshop Opening * Introduction * Objectives for the Forum
10.00-10.15	Morning Tea Break

<b>10.15-12.30</b>	<b>Session 1: Grid Infrastructure</b> <b>Chair: Rajkumar Buyya</b>
10.15-10.40	XVS --- Xcomp Virtual Supercomputer Glenn Lewis, Xcomp Pty Ltd
10.40-11.05	Gridbus Technologies for Service-Oriented Cluster and Grid Computing Rajkumar Buyya and Team, University of Melbourne
11.05-11.30	GRID computing research at QUT Wayne Kelly, Queensland University of Technology
11.30-11.55	DISCWorld, Virtual Data Grids and Grid Applications Paul Coddington and Andrew Wendelborn, University of Adelaide
11.55-12.20	Grid Market Directory and Webservices Jia Yu and Rajkumar Buyya, University of Melbourne
12.30-1.30	Lunch – Recommended nearby venues Liq Café Bar Lounge – 1 Lygon Street, CARLTON VIC 3053 Oxford Scholar Hotel – 427 Swanston Street, MELBOURNE VIC 3000

<b>1.30 – 3.10</b>	<b>Session 2: Grid Application Development Tools</b> <b>Chair: Wayne Kelly, Queensland University of Technology</b>
1.30-1.55	PAGIS - An Architecture for Programming on the Grid Andrew Wendelborn and Paul Coddington
1.55-2.20	Visual Grid Application Development Environments: Parametric & Parallel Models for Creating Distributed Applications. Shoaib Burq, Jozsef Kovac (MTA SZTAKI), and Rajkumar Buyya (Melbourne)
2.20-2.45	GriddLeS: Grid Enabling Legacy Software David Abramson and Jagan Komineni, Monash University
2.45-3.10	Active Sheets - Grid Computing by Spreadsheets Paul Roe, Gavin Cheuk and David Abramson, Monash University
3.10-3.25	Afternoon Tea Break

<b>3.25-5.30</b>	<b>Session 3: Grid Testbed and Application Scheduling</b> <b>Chair: Paul Coddington, University of Adelaide</b>
3.25-3.50	The Australian Nimrod Testbed - utilising GrangeNet Colin Enticott and David Abramson, Monash University
3.50-4.15	TRASC: A Globus Application Launcher Sudarshan Ramachadran, VPAC
4.15-4.40	Nimrod 2.0 - Advanced Services for Parameter Sweep Application on the Grid

	David Abramson, Slavisa Garic and Colin Enticott, Monash University
4.40-5.05	Gridbus Resource Broker for Application Service Costs-based Scheduling on Global Grids: A Case Study in Brain Activity Analysis Srikumar Venugopal, Rajkumar Buyya (Melbourne) and Susumu Date (Osaka)
5.05-5.30	G-monitor: A Gridbus Web Portal for Monitoring and Steering Application Execution on Global Grids Martin Placek and Rajkumar Buyya, University of Melbourne
6.30	Dinner – Sponsored by APAC

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## DAY 2 – 10<sup>th</sup> Dec, 2002

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<b>9.00-10.40</b>	<b>Session 4: Grid Performance Engineering</b> <b>Chair: Andrew Wendelborn, University of Adelaide</b>
9.00–9.25	MOSIX/G: Grid Services under the MOSIX Operating System Colin Enticott, Amnon Barak and David Abramson, Monash University
9.25-9.50	GridSim 2.0 – Advanced Grid Modelling and Simulation Toolkit Rajkumar Buyya, Manzur Murshed (Monash), Anthony Sulistio, and Chee Shin Yeo, University of Melbourne
9.50-10.15	Detection of Anomalous Behaviour in Grids Albert Zomaya, University of Sydney
10.15-10.40	Nimrod/O - Optimal Engineering Design using the Grid Tom Peachy, Andrew Lewis and David Abramson, Monash University
10.40-10.55	Morning Tea Break

<b>10.55-12.30</b>	<b>Session 5: Data Intensive Computing Applications</b> <b>Chair: Albert Zomaya, University of Sydney</b>
10.55-11.20	Data-grids at the ANU Jon Smillie, Stuart Hungerford, Markus Buchorn, Australian National University
11.20-11.45	Grids, Data Grids, and Experimental Particle Physics Lyle Winton, University of Melbourne
11.45-12.10	Distributed Molecular Docking for Drug Discovery on the World-Wide Grid Rajkumar Buyya (Melbourne), Kim Branson (WEHI), and David Abramson (Monash)
12.10-12.35	Participants interested in participating a live demonstration of their Grid tools. Internet Access is available
12.35-1.30	Lunch – Recommended nearby venues Liq Café Bar Lounge – 1 Lygon Street, CARLTON VIC 3053 Oxford Scholar Hotel – 427 Swanston Street, MELBOURNE VIC 3000

<b>1.30-2.30</b>	<b>Session 6: National Grid Program</b> <ul style="list-style-type: none"> <li>• Academic Testbed Development</li> <li>• Sharing Technologies and Expertise</li> <li>• Developing Collaborations</li> </ul>
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<b>2.30-3.00</b>	<b>Session 7: APAC II Grid: Plans and Future</b> <b>John O’Callaghan, Australian Partnership for Advanced Computing</b>
3.00-3.15	Afternoon Tea Break

<b>3.15-4.15</b>	<b>Session 8: Australian Grid Forum (AGF) &amp; Steering Committee Meeting</b> <ul style="list-style-type: none"> <li>• Plans, Objectives, Working Groups</li> <li>• Next AGF Events</li> </ul>
4.15-4.30	Conclusions and Closing Remarks