

Grid Asia 2005
Adaptive Enterprise @ Singapore (AE@SG) Workshop
Wednesday, 4 May 2005

Tentative Program (subject to change)

Objective: A milestone meeting to report progress & keep industry updated

Target Audience: User Council & interested parties from industry

Time		Agenda	Speaker
		Session Chair: Prof. Lawrence Wong (Director, National Grid Office)	
0900	0910	Introduction & Welcome	Prof. Lawrence Wong (Chair, AE@SG R&D Committee)
0910	0950	Invited Talk: "Policy-based Resource Management in Enterprise Grid"	Dr. Sven Graupner (Senior Scientist, HP Labs Palo Alto)
0950	1010	Media Rendezvous Point	A/Prof. Francis Lee (NTU)
1010	1030	Looking at the Demand for Grid-Based Services	Prof. Steven Miller (SMU)
1030	1100	Coffee Break	
		Session Chair: Louis Lam (Manager, Industry Group, IDA)	
1100	1120	Rendering on Demand	A/Prof. Tony Chan (NTU)
1120	1140	Semantic Matching for Data Centers	A/Prof. Clement Chia (NTU)
1140	1200	Virtualization Technology for Information & Job Management on a Grid	Dr. Terence Hung (IHPC)
1200	1220	Q&A	Chair: Prof. Lawrence Wong (Chair, AE@SG R&D Committee)
1220	1230	Closing Remarks	Ramakrishna Purushotaman (Director, Industry Development, IDA)

Speaker: Dr. Sven Graupner, Hewlett-Packard Laboratories, Palo Alto, California

Title: "Model-driven Automation and Management in Enterprise Grids"

HP has been pioneering the adoption of Grid technology and open standards for several years. The talk first provides a current perspective on expectations enterprise customers have on Grid technology. HP has folded those expectations into a vision of an Adaptive Enterprise, which is determining HP's technology strategy for enterprise customers.

Some key technologies are presented that have been developed in scientific Grids and that are highly relevant for commercial enterprise Grids as well. Then, technology gaps are outlined which need to be overcome enabling further adoption of Grid technology in enterprise environments. Those gaps are subject to current research and development in HP and in the industry. Primary deficiencies we observe are the lack of management and automation capabilities in Grids. Developing those technologies requires a significantly higher degree of formalization and computerization of information involved in large-scale environments. Models and model-driven automation are key technologies that are under development. In the commercial adoption, those technologies will have significant impact on how IT systems are planned, designed, implemented and operated in large enterprises.

Biodata

Dr. Sven Graupner is a Senior Scientist at HP Labs, Palo Alto, California. At HP Labs, he has had leading roles in several technologies: E-Speak, an early web services middleware in the late 90's, System Factory, a design tool for large-scale services networks, Topology Designer, a tool that introduced formal design methods in the creation of IT solutions, and recently QM, a model-driven data center resource automation system.

His focus is the adopting Grid technologies to commercial enterprise environments. He defined the technical underpinning of HP's Enterprise Grid strategy and created the first Grid-based control interface for a commercial data center product.

He holds a Ph.D. in Distributed Computing from Chemnitz University of Technology, Germany. He has authored over 50 publications and recently finished a book: "Web Services in the Enterprise: Concepts, Standards and Management". He is member of the Steering Committee and Vice Chair of the Program Committee of CCGrid'2005. He is invited to panels and chaired workshops at international conferences. He has filed patents in areas of enterprise management, large-scale system management and utility computing.