

## Schedule



### Official Launch of 2<sup>nd</sup> SG@Schools Vacation Camp

(PC Grid Computing for Schools Programme)

on Tuesday, 28 November 2006

#### Lecture Theatre 3

Hwa Chong Institution  
661 Bukit Timah Road  
Singapore 269734

Time	Day 1 (28 Nov)	Day 2 (29 Nov)
0900	Opening Ceremony	Hands-on: Application Development (Part 1)
1000	Break	Break
1030	Introduction to Grid Computing & PC Grid Computing <i>by</i> <i>Dr. Bertil Schmidt (NTU)</i>	Hands-on: Application Development (Part 2)
1200	Lunch	Lunch
1300	Demonstration of PC Grids & Installation of Clients (Part 1)	Hands-on: Application Development (Part 3)
1530	Break	Break
1600	Demonstration of PC Grids & Installation of Clients (Part 2)	Hands-on: Application Development (Part 4)
1730		Closing Ceremony
1800	End of Day 1	End of Camp

Organized by



**Invited Speech on  
"Accelerating Innovation with Public Grids" by  
Dr. Jikku Venkat, CTO, United Devices**

**Abstract**

Public Internet-based grids like grid.org, SETI@home, and IBM-WCG have proven that massive grids are both technically feasible and extremely valuable. A large volunteer grid is a powerful vehicle to improve awareness and provide public education about grid computing. This talk shows, with examples, how such grids begin, evolve, and succeed. What is unique about these examples is the ability to use such a grid as the foundation for commercial awareness and the development of commercial business. Several projects have been successfully completed at grid.org, some of which had commercial implications. These projects are described and discussed in detail. The traditional public grids have been primarily focused on computing. However, there are a number of other uses for this type of grid that utilize storage, networking, and access to a large population of machines. These use-cases and their benefits are described in detail. The potential implications of grid computing are very significant for Singapore and we present some specific ideas here.

**Biodata of Speaker**

Dr. Venkat brings over 20 years of experience in the technology industry in a unique mix of roles in research, product development, and executive positions. He has been with United Devices since its inception. In this current role, he is the primary technical evangelist at the company, provides technical leadership, and oversees all development activities. Prior to becoming CTO, he was Vice President of Engineering and was responsible for building the development team. Under his leadership, the company has developed and delivered five generations of grid computing software to the market. The product has been recognized as an industry leader for building enterprise grids at companies like Novartis, IBM, British Telecom, and Johnson & Johnson.

Dr. Venkat holds a Ph.D. and M.S. in Computer Engineering from the University of Texas at Austin. His graduate research experience covered processor architecture, performance analysis, compiler technology, and the development of parallel programs. He has several patents issued or filed and several under development. In addition, Dr. Venkat is widely regarded as an industry thought leader and has spoken at numerous conferences on grid computing and its applications.

**Program**

0845	Arrival of Guests
0855	Arrival of Guest of Honour Mr. Richard Lim, CE, DSTA & Chairman, NGSC
0900	Welcome  Speech by Guest of Honour
0910	Invited Speech "Accelerating Innovation with Public Grids" by Dr. Jikku Venkat, CTO, United Devices
0940	Presentation on Grid-Enabled Projects <ul style="list-style-type: none"><li>• Hwa Chong Institution</li><li>• Raffles Institution</li></ul>
1000	Tea Reception
1030	Introduction to Grid Computing & PC Grid Computing by Dr. Bertil Schmidt, Assistant Professor, NTU
	Vacation Camp Commences