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**MINUTES OF 02/2004 “ADVANCING SCIENCE THROUGH THE GRID” MEETING  
HELD ON 26 MAY 2004 AT DCR (I<sup>2</sup>R)**

Present:

Prof Lawrence Wong, ED(I<sup>2</sup>R) (Chair)  
A/Prof. Francis Lee, VD(Research), SCE, NTU  
A/Prof. Teo Yong Meng, SOC, NUS  
Dr Terence Hung, Manager, IHPC  
Jim Wu, Manager (Technology Intelligence), ETPL  
Dr Ong Eng Hong, AH(Information & Communication Sciences Section), SERC  
Yeo Heng Ngi, Research Engineer, DSI  
Joshua Cheong, AH(IT, Computing & E-business), EDB  
Dr Lee Hing Yan, DD(NGO)  
Jon Lau Khee Erng, AH(Technical), NGO  
Choo Thong Tiong, AH(Promotion), NGO

Absent with Apologies:

Simon Lim, DD(Infocomms & Media Cluster), EDB  
Raymond Lee, DD(Technology Direction), IDA  
Dr Pang Hwee Hwa, D(Services & Applications Division), I<sup>2</sup>R  
Dr Vincent Soh, H(Council Operations & Planning), SERC  
Dr Wong Woon Kwong, H(Information & Communication Sciences Section), SERC

<b>SN</b>	<b>Discussion Items</b>	<b>Action</b>
1	The meeting commenced at 1000 hours.	
2	Prof Wong did a quick recap of the milestones and the current status.	
3	Prof Wong shared with the meeting that in the last few weeks, the research institutes have met up over three Saturdays to discuss what are important to the RIs over the next 10 years.	
4	Prof Wong also highlighted that there will be a presentation at the Foresight meeting next Tuesday. Prof Wong added that the presentation should include the general direction of where we are heading, the timeline and an update of the current status.	
5	Dr Terence Hung went through some slides on his thoughts. He felt that the findings should be based on drivers (internal and external), stakeholders and market segments. A/Prof Francis Lee agreed that these are valid points. Dr Terence Hung clarified that these are his thoughts, but not specifically for the presentation to the Foresight meeting.	

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6 A/Prof Francis Lee went through the draft slides for the presentation at the Foresight meeting. The distilled list of initiatives was included in the slides. A/Prof Teo Yong Meng felt that Globus should be included under Middleware and EGEE should be included under Lower Middleware. These were added. Prof Wong will use the slides as a base for the presentation at the Foresight meeting.

7 Prof Wong raised the need to look at the strategic papers of various countries so as to leverage on the thinking processes that have already been carried out.

As there is quite a lot to read, the load will be distributed among members. For each country, a member will be responsible for sourcing for reports and another member will be responsible for reading it and present the summary (not more than 2 slides) to the team in the next meeting.

The findings should include:

- motivation (eg. Drivers);
- thrust (eg. What problem to solve);
- timelines and
- outcomes.

The distribution of load is as follows:

Country / Region	Member to Source for Reports	Member to Read, Summarize & Present
1) US	Dr Terence Hung	Yeo Heng Ngi
2) UK	Dr Lee Hing Yan	Dr Lee Hing Yan
3) EU	A/Prof Francis Lee	Prof Lawrence Wong
4) Japan	A/Prof Francis Lee	A/Prof Francis Lee
5) Australia	A/Prof Francis Lee	A/Prof Teo Yong Meng

Members assigned

As A/Prof Teo will not be able to attend the next meeting, he will send his findings to either Jon Lau or Choo Thong Tiong for them to present on his behalf to the team.

8 Dr Terence Hung suggested that the team look at strategic roadmaps of major research labs to understand their thought processes. Prof Wong agreed that this would be relevant. The work is distributed as follows:

Research Lab	Read, Summarize and Present
1) Argonne	Dr Terence Hung
2) Oakridge	Dr Terence Hung
3) Lawrence Livermore	Dr Terence Hung
4) CERN	Prof Lawrence Wong
5) AIST	A/Prof Francis Lee

Members Assigned

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|----|--|-------------|
| 9  | There is also a need to look from the vendors' perspective. We would need to know the vendors' plans/roadmaps and whether they would fit into the local landscape. It is felt that Raymond Lee (IDA) would be in the best position to provide the inputs at the next meeting. He is also requested to share with the team any updates of the IDA's Technology Roadmap for Grid Computing which was released in 2002. | Raymond Lee |
| 10 | The next meeting is tentatively scheduled on either 7 or 8 June 2004. Prof Wong's secretary will confirm with the members.   | Prof Wong   |
| 11 | With the presentations on the strategy papers of countries/regions, strategic roadmaps of research labs and views from the vendors' perspectives, we will be able to work out the key sub-areas and their relevance to Singapore in the next meeting. The picture of the future can be formed after that.  |             |
| 12 | After the next meeting, the SWOT analysis on the sub-areas identified will be carried out in a half-day session. This session will take place between 16 Jun 2004 and before the last week of June. Prof Wong will work with his secretary to confirm the time slot.   | Prof Wong   |
| 13 | The meeting agreed to invite the following as Technical Advisers:<br>1) Francine Berman<br>2) Anne Trefurthen<br>3) Satoshi Sekiguchi<br>4) Carl Kesselman<br>5) Joel Mambretti<br><br>Prof Wong will send out email invitations to them this week.  | Prof Wong   |
| 14 | The meeting adjourned at 1115 hours.   |             |

Recorded by: Choo Thong Tiong  
Assistant Head (Promotion), NGO

Vetted by: Dr Lee Hing Yan  
Deputy Director, NGO

Cleared by: Prof Lawrence Wong  
Executive Director (I<sup>2</sup>R)

Date: 26 May 2004