

# Session 1

## Evolution of Grid Computing and Dependability

*summery by Moderator Hiro Ihara*

**1 Dependability Issues in Emerging Web Services-Based Grid Computing**  
by Matti A Hiltunen

Overview、 On- going R/D groups and their Activities  
Security , Standard, Pricing etc.

from Web Service domain

**2 Grid on Future Blade Data Center Infrastructure**

by T Basil Smith

R/D issues from commercial business and IBM approach  
Accounting and Dependability

from Business domain

**3 Grid Computing Evolution and Challenges for**

**Resilience, Performance and Scalability**

by Luca Simoncini

On -going research report and Challenging issues to be done  
From Academic domain

# What Session 1 could expose

- GC seems reasonable next step
- Many investigating groups have already formed
- Technical evolution in networking is pushing force
- Demand of high performance computing is pulling force
- Strong vulnerability exists
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- Can you find any similar system in human activity ?
- Strong vulnerability exists
- Are standardization and dependability vital keys?
- When does GC appear in real world?
- More challenge is necessary for Paradigm shift