# Challenges to Dependable Computing

- Level-up of requirements
  - even in traditional computing
- New components
  - in devices
  - in operational modes
- New environment
  - of exploding network(s)
  - of emerging computation paradigm(s)

Grid Computing

# Grid Computing

- Numerous computers over network(s) participate in a computing

- Decentralized autonomous management in each computer

- Dynamic and flexible change of the configuration of cooperation/collaboration

Obviously needs fault tolerance and dependable computing

# Need of Interaction
# between Two Communities

- Dependable Computing People must know more about Grid.

- Grid Computing people must know more about Dependable Computing.

- The interaction of both communities is beneficial for the improvement of Dependability of Grid.

Motivation of the Workshop

# Program

- 9 presentations (4 sessions + Synthesis & Wrap-Up)
- 40 min for each presentation + discussion
- Morning sessions relate more closely
  to Grid Computing itself
- Afternoon sessions relate more closely
  to Dependability itself