

Tutorial S6 Outline

 The State of Distributed Computing

 Distributed Computing in Business

 Distributed Computing in Science

Market Forces Driving Standardization

- Science Funding
 - Supercomputing and Networking
 - Simulation and Experimentation in Science
 - Cyberinfrastructure
- Business Trends
 - Economies of Scale and Outsourcing
 - Services Orientation
 - The Tantalizing Promise of "B2B"
- Early Grid Work
 - Object Models
 - I-WAY and the Globus Toolkit
 - Testbeds and Infrastructure
 - Prototype "Collaboratories"
 - Applications in Science and Business
- Grid Community
 - Global Grid Forum (GGF)
 - Corporate Players
 - R&D
- Open Grid Services Architecture (OGSA)
 - Assimilating Web Services
 - Service-Oriented Architecture
 - What is a Grid Service?
 - OGSI Specification
 - Service Data
 - Lifetime management
 - Security
 - Composability
 - Discovery
 - Language independence
 - OGSA in Business
 - OGSA in Science
- Product Landscape
 - Open Source and Commercial Offerings
- Future Directions