

Call for Papers

GECON 2008

5th International Workshop on Grid Economics and Business Models

<http://it.i-u.de/schools/altmann/gecon/2008>

Las Palmas, Canary Island, Spain

August 25-26, 2008

Co-located with Euro-Par 2008

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Important Dates

- Paper Submission Deadline: April 23, 2008 (hard deadline)
- Notification of Paper Acceptance: May 15, 2008
- Camera Ready Paper Deadline: June 1, 2008

Submission Guidelines

- Original, high-quality papers, which are not currently under review by another conference or journal, will be considered.
- Manuscripts will be reviewed based on technical merit, originality, and relevance.
- All accepted papers will be published with Springer LNCS.
- Paper submission is managed electronically via the EasyChair Website (<http://www.easychair.org/conferences/?conf=gecon2008>)

Publication

- The proceedings will be published by Springer LNCS.
- This year's acceptance rate is expected to be around 30 percent.
- Additional information for prospective authors, including paper format and instructions can be found at the GECON 2008 Web page.

Although many companies and academic institutions have already developed Grid infrastructures, a global commercial Grid has not been created yet. The missing component for such a commercial Grid is a market, which allows trading of goods such as data, software, processing power, storage, and bandwidth. This market for Grid services would not only be the first step towards a global commercial Grid but would also turn the Grid into an environment where all users (i.e. the general public, academic institutions, SMEs, and large companies) can access Grid services in the same way. These Grid services are expected to range from simple services for mass usage, to complex services encapsulating e-Science or high-performance-computing (HPC) methods.

This workshop invites researchers and practitioners from academia and industry to discuss issues associated with the development of this global commercial Grid. The purpose of this workshop is also to suggest future directions of research and amendments to existing Grid technologies, aiming at the successful deployment of this global, commercial, service-oriented Grid system.

Researchers and practitioners are invited to present current results and original research in the area of Grid economics, in particular, interdisciplinary research in the area of IT infrastructure and economics. The topics of interest are (but not limited to):

- Analysis of existing Grid middleware technology
- Business modeling
- Grid value chain and value networks
- Software-as-a-Service models
- Markets and market mechanisms for the Grid
- Service-orientation of Grid systems
- Utility computing models
- Knowledge utility models
- Incentives for participation and resource sharing
- Economic-enhanced Grid services
- Analysis of pricing schemes for Grid systems
- Reports on Grid test beds and operation
- Analysis of application scenarios (with stakeholders and roles)
- Resource (computing, bandwidth, storage) selection and allocation
- Metering, accounting, charging, billing systems
- Models for service-oriented computing
- Decision support systems for Grid users and providers
- Capacity planning systems
- Service level agreements (SLAs)
- Market models for the grid
- Economic aspects of existing Grid applications
- Reports on national and international projects on Grid
- Trust, security, and risk management
- Standardization
- Virtual organizations
- Impact of legal requirements on Grid operation
- Middleware support for real-time online interactive applications
- Economics-aware operation of Grid applications

In addition to this, the workshop will feature an industry session in order to increase the knowledge transfer between academia and industry. Speakers of major utility computing providers are expected, describing the state-of-the-art of the commercial Grid and the customer acceptance of the shift from "buying computing resources" to "computing on demand".

The workshop will also provide a forum for projects on Grid economics to present themselves.

This workshop follows the very successful 4th workshop in Rennes last year, where more than 50 people participated and 12 high-quality technical papers had been presented. The acceptance rate has been below 40 percent. As a consequence of the high demand for this workshop, the workshop has been extended to a 2-days workshop.