

Call for Papers

GECON 2007

4th International Workshop on Grid Economics & Business Models

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

Rennes, France

August 28, 2007

Co-located with Euro-Par 2007

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Jörn Altmann (Intl. University of Bruchsal, Germany & Seoul National University, South-Korea)

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Topics of interest include, but are not limited to:

- Analysis of functionality of existing Grid technology
- Business modeling
- Market mechanisms
- Service-orientation of Grid systems
- Specification of incentives for participation and resource sharing
- Specification of economic-aware 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 selection and allocation
- Metering, accounting, charging, billing systems
- Security issues on the Grid
- Decision support systems for Grid users and providers
- Capacity planning systems
- Service level agreements
- Economic models for the grid
- Economic aspects of existing Grid applications
- Reports on (inter)national projects on Grid systems
- Trust and Risk management
- Standardization
- Virtual organizations
- Economic aspects of identity management
- Impact of legal requirements on Grid operation

While many Grid-enabled applications exist today and the management of resources shifts from “buying hardware” to “computing on demand”, a global commercial Grid has yet to be created which would allow the emergence of new markets for items such as processing power, storage and bandwidth. These markets would not only be the first step towards a commercial Grid but would also turn the Grid into an environment capable of resolving differences in service preferences through economic means. Additional value for the participants is created by simplifying the sharing of resources and generating revenue. It will enable a stable, scalable economy for resources.

In such a new Grid system, all users (i.e. the general public, academic institutions, SME’s or larger institutions) can use Grid services in the same way. These services are expected to range from simple services aiming for mass usage, to complex services encapsulating e-Science or HPC methods. To stimulate the service market, innovative schemes for usage-based charging of services have to be created.

This workshop invites researchers and practitioners from academia and industry to present current results and original research in the area of Grid economics. In particular, the workshop will focus on new business models for the Grid and the capability of existing Grid middlewares to allow the economics-aware operation of Grid applications. The purpose of this workshop is to suggest directions of research and amendments to existing technologies, aiming at the successful deployment of a global commercial Grid system.

Important Dates

Paper Submission Deadline: April 16, 2007

Notification of Paper Acceptance: May 15, 2007

Final Paper Submission: June 1, 2007

Submission Guidelines

- Original, high-quality papers, which are not currently under review by another conference or journal, will be considered. Enhanced, extended versions of papers presented at conferences or workshops can also be submitted.
- Papers which have been published with the same contents or simultaneous submission of the same paper will be rejected.
- Manuscripts will be reviewed based on technical merit, relevance and a clear exposition in English.
- The proceedings will be published by Springer LNCS
- Paper submission is performed electronically via <http://www.edas.info/5169>
- Information for prospective authors, including paper format and instructions can be found at the GECON 2007 web page.

Contact Information

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