

Call for Papers – GECON 2018

15th International Conference on Economics of Grids, Clouds, Systems & Services

<http://2018.gecon-conference.org>

18-20 September 2018, Pisa, Italy

Scope

GECON 2018 builds upon the very successful tradition of the conference previous editions since 2003, (<http://www.gecon-conference.org>).

GECON solicits contributions that are interdisciplinary, combining business and economic aspects with engineering and computer-science related themes. Contributions to this conference can include extensions to existing technologies, successful deployments of technologies, economic analyses, analyses of technology adoptions, and theoretical models. We welcome papers that combine micro- and macro-economic principles with resource management strategies in computer science and engineering. Case studies, which demonstrate practical use of economic strategies, benefits and limitations, are particularly encouraged. The purpose of this event is to gather original work and build a strong multidisciplinary community in this increasingly important area of a future information and knowledge economy.

Important Dates

Abstract Submission Deadline: May 15th, 2018

Paper Submission Deadline: May 22nd, 2018

Notification of Paper Acceptance: June 15th, 2018

Camera Ready Paper Deadline: June 22nd, 2018

Conference Organization

Conference Chair

- Massimo Coppola (ISTI-CNR, Italy)
- Emanuele Carlini (ISTI-CNR, Italy)

Conference Vice-Chairs

- Jörn Altmann (Seoul National University, South-Korea)
- José Ángel Bañares (University of Zaragoza, Spain)
- Karim Djemame (University of Leeds, UK)
- Congduc Pham (University of Pau, France)

Proceedings Chair

- Daniele D'Agostino (IMATI-CNR, Genova, Italy)

Industrial Session Chair

- Patrizio Dazzi (ISTI-CNR, Italy)

Steering Committee

- Jörn Altmann (Seoul National University, South-Korea)
- Jose Angel Bañares (Zaragoza University, Spain)
- Steven Miller (Singapore Mgnt University, Singapore)

- Maria Nikolaidou (Harokopio University of Athens, Greece)
- Omer F. Rana (Cardiff University, UK)
- Gheorghe Cosmin Silaghi (Babes-Bolyai University, Romania)
- Konstantinos Tserpes (Harokopio University, Greece)

Venue

GECON 2018 will be held in Pisa, Italy, from Tuesday to Thursday 18-20/09, within the Research Area of the CNR.

Publication and Submission Guidelines

Original full papers, work-in-progress papers which are not currently under review by another conference will be considered. Manuscripts will be reviewed based on technical merit, originality, and relevance. Past acceptance rates have been around 30% in recent years.

Full papers, work-in-progress papers and poster abstracts shall be submitted using the Springer LNCS format. Submitted full papers should not exceed 12 pages, work-in-progress papers should not exceed 8 pages (including references and appendices).

For further details, visit the GECON 2018 Web page. Paper submissions are managed through EasyChair at (<https://easychair.org/conferences/?conf=gecon2018>).

The proceedings will be published by Springer LNCS. Extended versions of up to 10 accepted papers in the Computer Science field will be invited for publication in a special issue of the Elsevier Journal of Future Generation Computing Systems. For papers targeting mainly business and economic aspects, a special issue of the Springer Electronic Markets Journal with up to 5 papers is foreseen.

Topics of Interest

Advances in distributed systems technology have allowed for the provisioning of IT services on an unprecedented scale and with increasing flexibility. As a global market for infrastructure, platform and software services emerges, the need to understand and deal with these implications and a multitude of new challenges is quickly growing.

General topics of interest at GECON 2018 include:

Software service platforms and networked systems
 Analysis of software industry and cloud computing industry
 Market mechanisms, auctions models, and bidding languages
 Decision support for service selection and procurement
 Revenue and energy-aware resource management
 Pricing schemes, service level agreements (SLAs), and revenue models
 Negotiation, enforcement and monitoring of service level agreements
 Open source ecosystem
 Economically efficient resource allocation, scheduling, and capacity planning

Automated trading and bidding support tools
Incentive design, strategic behavior & game theory
Development of sustainable infrastructures
Desktop grids, volunteer computing and crowd-sourcing
Metering, accounting, and billing
Business models and strategies for SMEs

Trust, reputation, security, and risk management
Reports and analysis on operational markets and test-beds
Economics of big data, software, services, service composition, and selection
Cost modeling, cost-benefit analysis
Performance monitoring, optimization and prediction
Community networks, social network systems, and resource sharing models
Techno-economic analysis: Emerging computing paradigms (fog, edge, osmosis computing), and technologies (micro-services, containers)
Smart grids, smart cities, smart buildings, energy-aware infrastructures and services
Standardization, interoperability, and legal aspects
Economics of IaaS, SaaS, PaaS and Federation of resources
Economic modeling of networks, systems, software, and data
Service Science
Clouds & Services for Internet-of-Things