

Call for Special Sessions

At GECON 2018

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

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

18-20 September 2018, Pisa, Italy

GECON 2018 The 15th International Conference on Economics of Grids, Clouds, Systems & Services to be held in Pisa, looks for proposals for special sessions. With the objective of encouraging **alternative forms of participation** that can increase the opportunity to discuss technical topics in an atmosphere that fosters the active exchange of ideas we solicit **special topic and roundtable sessions proposals**.

The special sessions program seeks to provide venues for specialist groups to meet, to generate focused discussion on specific sub-areas within the economics of distributed systems, and to engage in community-building activities. Special sessions should provide a discussion forum for researchers in topics related to topics of the conference, either on specific research themes, or in emerging areas of research.

Both, roundtables and special topic sessions can be used, for example, for giving the opportunity all participants to present intermediate/final results of projects, finding partners to establish collaborative research and innovation projects, or PhD students to present and discuss their dissertations with fellow PhD students, senior scholars and industry participants.

For now, GECON 2018 is running two special sessions this year:

- *IT Service Ecosystems enabled through Emerging Digital Technologies.*
Session chair: Somayeh Khaghighi (Amsterdam University , Netherlands) - skhaghighi@gmail.com

- *Machine learning, Cognitive Systems and Data Science for system management.*
Session chair: Aurilla Aurelie Arntzen (University of South-Eastern, Norway) - Aurilla.Aurelie.Arntzen@usn.no

Special Session on IT Service Ecosystems enabled through Emerging Digital Technologies

Using technologies including open APIs, digital platforms, IoT, wearable technology, and cloud computing, new business ecosystems become possible. Well-functioning and innovative digital businesses in this ecosystem continuously monetize, manage, and measure information as an asset for having a competitive advantage in the market. The ecosystems are based on a new way of integration of people, resources, processes, and technologies. This also effects the management of systems and resources (e.g., network management and cloud management). Techno-economic analyses (e.g., value creation modeling) are vital for understanding the requirements for an uninterrupted operation of infrastructure, the needs for future technologies, sustainable business operation, and a society that benefits. In this call, we are inviting submissions of papers in the following areas:

- Software ecosystems
- IT service platforms
- Digital business model innovation (opportunities and barriers)
- New value creation models over new technologies such as cloud computing, IOT, wearable Tech, blockchain

- Digital transformation and event thinking
- Open source software
- Implementations of distributed business logics
- Digital process re-engineering
- Data-driven business model innovation (Acceptance and Barriers)
- Social Impact of Digital Business Transformations
- Software service systems

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Special Session on *Machine* learning, Cognitive Systems and Data Science for system management

It is well recognized in this digital world, businesses, government, and people depend on reliable technical infrastructure for all aspects of daily operations such as Real Estate, Banking, retail, transportation and even socializing. And today, with the growing trend for the internet of thing, demands for a safe management system has tremendously increased. Infrastructure failures are expensive, e.g., network downtime or outages should be avoided by all means as it might impact business operations and might, also, generate a tremendous cost due to the Mean Time to Repair in Network Infrastructure (MTR). There are many reasons why infrastructure such computers, devices, network, Information systems management failures occur. According to some studies, human errors account is often cited. Therefore, several studies focus on defining new approaches that could help to automate some of the operation function of the systems management. Today, the emerging trend is to use techniques from Artificial Intelligence such as Machine Learning and data science in order to increase systems Management performance. In this call, we are inviting submissions of papers in the following areas:

- Machine Learning and their potential applications in Systems Management
- Self-Autonomous System Management
- Network, Devices and Computers Management
- IT and IoT Infrastructure
- Software as a Service
- AI & Cloud computing
- Robots, drones network management
- Advanced Software for Managed Service Providers

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Publications

Additional to regular original papers submitted to the conference (full papers, working-progress and poster abstracts), works can be submitted under the umbrella of a special session following the usual GECON reviewing process.

Special sessions can include a set of a long abstract about the special session, technical reports, future research visions, and exhibition tool descriptions with informal demonstrations. Regular, original, and reviewed works will be included in the Springer LNCS proceedings.

Roundtable Proposal Submissions.

Roundtables provide an opportunity for participants to share information regarding their research in an informal, conversational style with interested participants. Audio-visual equipment will be provided to conduct or support discussions.

Roundtable proposals should describe briefly as many of the following as are applicable, preferably in this order:

- Objectives or purposes of the proposed discussion;
- Perspectives or theoretical/conceptual frameworks that will guide the discussion;
- Data, evidence, or resources related to the discussion topic;
- Conclusions and implications;
- Strategies to facilitate participation in the discussion; and
- Importance of the topic.

Roundtable proposals will be evaluated on:

- Importance of the topic, issue, or problem to the GECON scope;
- Clarity of objectives and intended outcomes of the session;
- Originality

Topical Paper Session Proposal Submissions.

In a topical paper session, the session organizers are proposing a complete research-paper session that consists of three to four research papers that address a particular topic. The session chair will promote the CFP for original submissions and will ensure the quality of accepted works and provide a list of qualified reviewers to evaluate original papers. Topical papers session can include a combination of regular, invited or published papers. In the case of invited or published papers, the proposal will include the names and backgrounds of presenters. Only original accepted works will be published in the proceedings.

Proposals for topical paper sessions should describe briefly as many of the following as applicable, preferably in this order:

- Objectives of the session;
- Importance of the session to GECON participants;
- Backgrounds of the presenters as related to the session topic;
- Brief description of each programmed research paper that will be presented;
- Structure and format of the session, including the designation of a session chair/moderator.
- A list of qualified reviewers.

Topical paper session proposals will be evaluated on the following criteria:

- Contribution to knowledge (that is, the extent to which the session addresses an important problem and gap in current knowledge);
- Originality;
- Clarity of focus;
- Theoretical and methodological rigor of the research papers included in the session;
- Integration and coherence of panel's presentations as a group; and the overall clarity of the proposal.

Contact for special session proposals

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