Call for Papers

ManComp 2020

5th Workshop on Managed Complexity

1-day workshop

November 25, 2020 Riga, Latvia (or remotely)

In conjunction with **BIR 2020 / PoEM 2020** conferences https://bir2020.omilab.org/home / https://poem2020.rtu.lv/

Managing complexity has a long tradition for algorithms and general problems. However, it is an important issue also in Business Informatics domain. While complexity usually associates with large or very large scale systems still managing complexity is important even for systems with small sizes operating in complex environment. Nowadays informatics requires handling complexity at different levels and configurations of social, physical, enterprise, software, and hardware systems. The workshop is planned *to focus on approaches and methods for managing complexity in the domain of applied informatics* that may concern interplay of systems and ecosystems of various sizes and substances. Its purpose is to share and transfer knowledge on complexity identification, representation, controlling and reduction as well as to exploit possible synergies in development of innovative complexity handling strategies, approaches, and methods.

The goal of the workshop is bringing together researchers and practitioners to discuss theoretical approaches or real-life case studies featuring success and/or failure stories in managing complexity. It welcomes seeking and discussing answers to such complexity management questions as:

- How is complexity divided?
- What kinds of models are to be specified?
- What is the role of system architecture in complexity handling?
- How is the human recognized in the loop?
- What kind of rules are to be applied?
- In which way do patterns help?
- Which notation or ontologies are useful in complexity handling?
- How is knowledge reused?
- How is knowledge propagated?
- and many others.

Based on these discussions, we expect to deepen the understanding of strategies, approaches, and methods in managing complexity in enterprise and software engineering. A cross-pollination of experiences in both domains is assumed.

Three types of submissions are welcomed: position papers, research papers, and reports. All types should treat a topic from the workshop themes.

- **Position papers** (2-6 pages): Such papers should state the position of the authors regarding any topic of the workshop.
- **Reports** (4-8 pages) Experience reports and case studies are expected to be submitted in this category.
- **Research papers** (8-15 pages full research papers, 8-10 pages research in progress): Research papers should describe innovative approaches.

Publication

Workshop papers should be formatted following the Springer's LNCS formatting guidelines (see http://www.springer.de/comp/lncs/authors.html). Accepted Workshop papers will be published in CEUR proceedings of BIR DC and Workshops. Extended selected papers will be published the journal Complex Systems Informatics and Modeling (CSIMQ) https://csimq-journals.rtu.lv/

Important Dates

- September 24, 2020 (new):   Paper submission deadline
- October 16, 2020:   Author notification
- October 30, 2020:   Camera-ready submission
- November 25, 2020:   Workshop date

Workshop topics include, but are not limited to:

- Measures of Complexity
- Agility in Complexity
- Models for handling complexity
- Tools for managing complexity
- Enterprise Architectures and Complexity
- Ontologies for managing complexity
- Patterns for managing complexity
- Capability impact on complexity management

Participation fee:

There is no participation fee (both PoEM 2020 and ManComp 2020 are free of charge)

Organizers

Peter Forbrig, University of Rostock, Germany – co main responsible
Marite Kirikova, Riga Technical University, Latvia – co main responsible
Charles Moller, Aalborg University, Denmark

Program Committee (can be extended)

Bertrand, David, Ecole Centrale de Lyon, France
Peter Forbrig, University of Rostock, Germany
Ebba Þóra Hvannberg, Iceland University, Iceland
Marite Kirikova, Riga Technical University, Latvia
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Jelena Zdravkovic, Stockholm University, Sweden
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Website

https://wwwswt.informatik.uni-rostock.de/ManComp2020

Submission link:

https://easychair.org/conferences/?conf=mancomp2020

Contact

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