

Call for Papers

ManComp 2023

8.th. Workshop on Managed Complexity

1-day workshop – presentation oriented

In conjunction with BIR 2023

<https://bir2023.unicam.it/>

Managing complexity has a long tradition for algorithms and general problems. However, it is an important issue also in Business Informatics domain. Here the complexity of different systems and systems of systems has to be managed. 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 ultimate 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** (6-8 pages) Experience reports and case studies are expected to be submitted in this category.
- **Research papers** (10-12 pages): Research papers should describe innovative approaches.

Publication

In workshop proceedings of the conference, Authors must use the CEUR-ART style for writing papers to be published with CEUR-WS. The uniform style for the proceedings is 1-column. The CEUR-ART styles can be found in the <https://ceur-ws.org/Vol-XXX/CEURART.zip> file.

Submission

The papers should be submitted to <https://easychair.org/my/conference?conf=bir20230>, and clicking the option „Workshop on Managed Complexity“.

Important Dates

Paper submission deadline: July 21, 2023

Author notification August: 21, 2023

Camera-ready submission September 15, 2021

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

Organizers and the chairs of PC

Peter Forbrig, University of Rostock, Germany - co main responsible

Marite Kirikova, Riga Technical University, Latvia – co main responsible

Charles Møller, Aarhus University, Denmark

Program Committee (tentative)

Clara Bassano, "Panthenope" University of Naples, Italy

Bertrand, David, Ecole Centrale de Lyon, France

Peter Forbrig, University of Rostock, Germany

Janis Grundspenkis, Riga technical University, Latvia

Igli Hakrama, Metropolitan Tirana University, Albania

Markus Helfert, Dublin City University, Ireland

Ebba Þóra Hvannberg, Iceland University, Iceland

Marite Kirikova, Riga Technical University, Latvia

Christophe Kolski, University of Valenciennes, France

Paula Kotze, CSIR Meraka Institute Pretoria, South Africa

Charles, Møller, Aarhus University, Denmark

Malgorzata Pankovska, University of Economics in Katowice, Poland

Khuram Shahzad, University of the Punjab, Pakistan

Chris Sary, University of Linz, Austria

Bengt Wangler, Stockholm University, Sweden

Marco Winckler, Paul Sabatier University Toulouse, France

Jelena Zdravkovic, Stockholm University, Sweden

Iryna Zolotaryova, Kharkiv National University of Economics, Ukraine

Contact

If further information is needed, please contact:

- Marite Kirikova marite.kirikova@cs.rtu.lv
- Peter Forbrig peter.forbrig@uni-rostock.de
- Charles Møller charles@mpe.au.dk