

🌐 Latvia 📅 September 17, 2025

CONFERENCE
WEBSITE:

<https://wwwswt.informatik.uni-rostock.de/ManComp2025/call>

| About the Conference

Call for Papers

ManComp 2025

10th Workshop on Managed Complexity

<https://wwwswt.informatik.uni-rostock.de/ManComp2025/>

1-day workshop

September 17, 2025

Riga Technical University, Latvia

in conjunction with BIR 2025

<https://bir2025.rtu.lv>

Important Dates

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CONFERENCE
DATE
**September
17, 2025**

Managing complexity has a long tradition for **algorithms** and general problems. However, it is an important issue also in the Business Informatics domain. Here, the complexity of different systems and systems of systems has to be managed. While complexity is usually associated with large or very large-scale systems still, managing complexity is important even for systems with small sizes operating in complex environments. Nowadays, informatics requires handling complexity at different levels and configurations of social, physical, enterprise, software, and hardware systems. The workshop focuses on approaches

and methods for managing complexity in the domain of applied informatics that may concern the 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 the development of innovative complexity-handling strategies, approaches, and methods. The workshop aims to bring 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?
- How does complexity relate to resilience?
- How to handle complexity in digital business ecosystems?
- 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

The accepted papers will be published in the BIR 2025 conference workshop proceedings, 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 file referenced in <https://wwwswt.informatik.uni-rostock.de/ManComp2025/call>.

Submission

The papers should be submitted to <https://easychair.org/conferences/?conf=bir2025> and clicking the option „Workshop on Managed Complexity“

Important Dates

Paper submission deadline: July 7th, 2025

Author notification: July 31st, 2025

Camera-ready submission: August 18th, 2025

Workshop date: September 17th, 2025

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

Marite Kirikova, Riga Technical University, Latvia

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Contact

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TOPICS OF INTEREST

4 topics

Research papers are invited in, but not limited to,
the following areas:

Computer Science
& Software
Engineering

Mechanical
engineering

Systems
Engineering

Business &
Management