Call for papers

ManComp 2016

1st Workshop on Managed Complexity

September 14, 2016 · Prague, Czech Republic

In conjunction with **BIR 2016** conference http://kogninfo.vse.cz/bir2016/.

Managing complexity has a long tradition for algorithms and general problems. One well known strategy used is "divide and conquer". Complexity usually associates with large or very large scale systems, however, managing complexity is important even for algorithms and problems with small sizes. 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 an 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** (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). Workshop papers will be published either in CEUR proceedings of BIR Workshops or in the journal Complex Systems Informatics and Modeling (CSIMQ). In case of CEUR proceedings, the extended versions of the papers will be considered for publication in CSIMQ http://csimq.mozello.lv/

Important Dates

- June 26, 2016:   Paper submission deadline
- July 10, 2016:   Author notification
- August 10, 2016:   Camera-ready submission
- September 14, 2016:   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

Organizers

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http://wwwswt.informatik.uni-rostock.de/ManComp2016/

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