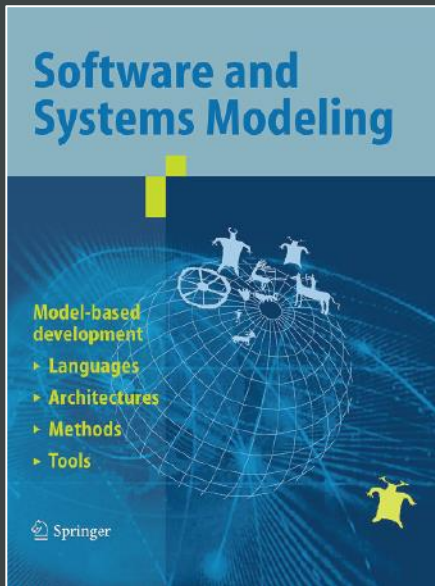


- Impact factor: 2.0 almost no backlog (below 4 months)
- Journal-first publication track at MODELS-conference



Electronic Access
springerlink.com

Author Information
sosym.org

Focuses on theoretical underpinnings and practical issues in the development and application of software and system modeling languages, techniques, and methods

SOFTWARE AND SYSTEMS MODELING

Software and Systems Modeling (SoSyM) is a quarterly international journal (published in English) that focuses on theoretical and practical issues pertaining to the development and application of software and system modeling languages and techniques. The aim of the journal is to publish high-quality works that further understanding of the theoretical underpinnings of modeling languages and techniques, present rigorous analyses of modeling experiences, and introduce scalable modeling techniques and processes that facilitate rigorous, efficient or economical development of software.

The journal is unique in its emphasis on theoretical foundations of modeling languages and techniques, and on rigorous analyses of "real-world" modeling experiences. The balance of theoretical works and works based on in-depth analyses of experiences offers insights to researchers that can inform future investigations into better modeling languages and techniques, and provides modeling practitioners with a deeper understanding of modeling languages and techniques that can lead to more effective application.

The journal targets researchers, practitioners and students who have a vested interest in results generated by high-quality modeling research and by rigorously analyzed modeling experiences. We invite authors to submit papers that discuss and analyze research challenges and experiences pertaining to software and system modeling languages, techniques, tools, practices and other facets. The following are some of the topic areas that are of special interest, but the journal publishes on a wide range of software and systems modeling concerns:

- Domain-specific models and modeling standards
- Model-based testing techniques
- Model-based simulation techniques
- Formal syntax and semantics of modeling languages such as the UML
- Rigorous model-based analysis
- Model composition, refinement and transformation
- Software Language Engineering
- Modeling Languages in Science and Engineering
- Language Adaptation and Composition
- Metamodeling techniques
- Measuring quality of models and languages
- Ontological approaches to model engineering
- Generating test and code artifacts from models
- Model synthesis
- Methodology
- Model development tool environments
- Modeling Cyberphysical Systems
- Data intensive modeling
- Derivation of explicit models from data
- Case studies and experience reports with significant modeling lessons learned
- Comparative analyses of modeling languages and techniques
- Scientific assessment of modeling practices

Impact Factor: 2.0 (2022), Web of Science, Clarivate

Article Information

SoSyM consists of several different types of articles, including the following:

- Regular papers that have open submission deadlines for all SoSyM topic areas
- Expert voices that provide reflective commentary by modeling experts (e.g., M. Broy, D. Harel, M. Jackson, C. Kobryn, and T. Reenskaug)
- Special and theme sections on state-of-the-art topics within modeling (e.g., performance modeling, human modeling, CPS, or variability)
- Survey/overview articles that systematically summarize a specific research area

If you are interested in modeling related research, SoSyM should be both:

- Excellent source for finding ideas, results etc. to build on (we also plan to increase the number of special sections in the future)
- Primary venue to publish your research results (no page charges or page limit)

Open calls for theme sections can be found at: https://www.sosym.org/theme_sections/

- Free samples
- Register for article alerts
- Find submission details

ISSN (print): 1619-1366
ISSN (electronic): 1619-1374
Title No. 10270



Editors-In-Chief

Benoit Combemale (France), Jeff Gray (USA), Bernhard Rumpe (Germany)

Associate Editors-In-Chief

Marsha Chechik (Canada), Jean-Marc Jezequel (France)

Assistant Editors

Stéphanie Challita (France), Huseyin Ergin (USA), Martin Schindler (Germany)

Advisory Board

Egidio Astesiano (Italy), Jean Bezivin (France), Grady Booch (USA), Manfred Broy (Germany), Martin Gogolla (Germany), David Harel (Israel), Michael Jackson (UK), Tom Maibaum (Canada), Pierre-Alain Muller (France), Wolfgang Reisig (Germany), Bran Selic (Canada)

Editorial Board

Silvia Abrahao (Spain), Perry Alexander (USA), Daniel Amyot (Canada), Colin Atkinson (Germany), Joanne Atlee (Canada), Benoit Baudry (Canada), Nelly Bencomo (UK), Ruth Breu (Austria), Lionel Briand (Ireland), Jean-Michel Bruel (France), Didier Buchs (Switzerland), Loli Burgueño (Spain), Jordi Cabot (Luxembourg), Betty Cheng (USA), Antonio Cicchetti (Sweden), Tony Clark (UK), Peter Clarke (USA), Philippe Collet (France), Jesús Sánchez Cuadrado (Spain), Juan De Lara (Spain), Davide di Ruscio (Italy), Jürgen Dingel (Canada), Alexander Egyed (Austria), Gregor Engels (Germany), Ulrich Frank (Germany), Sebastien Gerard (France), Sudipto Ghosh (USA), Holger Giese (Germany), Martin Glinz (Switzerland), Abel Gómez (Spain), Esther Guerra (Spain), Oystein Haugen (Norway), Zhenjiang Hu (Japan), Gabor Karsai (USA), Jörg Kienzle (Canada), Dimitris Kolovos (UK), Thomas Kühne (New Zealand), Kevin Lano (UK), Yves Le Traon (Luxembourg), Gary T. Leavens (USA), Timothy Lethbridge (Canada), Hong Mei (China), Judith Michael (Germany), Dragan Milicev (Serbia), Ana Moreira (Portugal), Richard Paige (Canada), Rob Pettit (USA), Alfonso Pierantonio (Italy), Alexander Pretschner (Germany), Iris Reinhartz-Berger (Israel), Jan Oliver Ringert (UK), Adrian Rutle (Norway), Houari Sahraoui (Canada), Ina Schäfer (Germany), Ketil Stølen (Norway), Gabriele Taentzer (Germany), Massimo Tisi (France), Juha-Pekka Tolvanen (Finland), Wil van der Aalst (Germany), Dániel Varró (Sweden), Andrzej Wasowski (Denmark), Barbara Weber (Switzerland), Manuel Wimmer (Austria), Andreas Wortmann (Germany), Tao Yue (China), Steffen Zschaler (UK)