



Springer

Call for Papers

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Important Dates

Intent to submit 01 June 2021

Paper submission 19 July 2021

Notification 31 Sept 2021

Software and Systems Modeling



Theme Section: Modeling in Low-Code Development Platforms

The growing need for secure, trustworthy, and cost-efficient software as well as recent developments in cloud computing technologies, and the shortage of highly skilled professional software developers, have given rise to a new generation of low-code software development platforms, such as Google AppMaker (soon AppSheet) and Microsoft PowerApps. Low-code platforms enable the development and deployment of fully functional applications using mainly visual abstractions and interfaces and requiring little or no procedural code. This makes them accessible to an increasingly digital-native and tech-savvy workforce who can directly and effectively contribute to the software development process, even if they lack a programming background.

At the heart of low-code applications are typically models of the structure, the behavior and the presentation of the application. Low-code application models need to be edited (using graphical and textual interfaces), validated, version-controlled and eventually transformed or interpreted to deliver user-facing applications. As all these activities have been of core interest to the modeling community over the last two decades. However, engineering and employing low-code development platforms still encompasses many research topics including enabling citizen/end-user software development, realizing recommender systems for low-code platforms, interoperability issues between low-code platforms, and scalability issues in low-code development.

The [Journal of Software and Systems Modeling](#) (SoSyM) invites original, high-quality submissions for its theme section on “Modeling in Low-Code Development Platforms (MLCDP)” focusing on topics related to MLCDP, including:

- Technologies underpinning low-code platforms
- Comparisons of classical MDE tools and low-code platforms
- Low-code development platforms as a service
- Citizen/end-user software development
- Recommender systems for low-code platforms
- Graphical and textual cloud-based editors
- Low-code platforms for data-driven applications
- Low-code development for and from mobile devices
- Interoperability issues between low-code platforms
- Automation support in low-code platforms
- Scalability in low-code development

- Collaborative low-code development
- Empirical studies on using low-code platforms
- Repositories of low-code development artifacts
- Graphical and textual cloud-based editors
- Repositories of low-code development artifacts
- Low-code platforms for data-driven applications
- Low-code development for and from mobile devices
- Interoperability issues between low-code platforms
- Automation support in low-code platforms
- Scalability in low-code development
- Collaborative low-code development
- Empirical studies on using low-code platforms

General Author Information

- Papers must be written in a scientifically rigorous manner with adequate references to related work.
- Submitted papers must not be simultaneously submitted in an extended form or in a shortened form to other journals or conferences. It is however possible to submit extended versions of previously published work if less than 75% of the content already appeared in a non-journal publication, or less than 40% in a journal publication. Please see the [SoSyM Policy Statement on Plagiarism](#) for further conditions.
- Submitted papers do not need to adhere to a particular format or page limit, but should be prepared using font “Times New Roman” with a font size no smaller than 11 pt, and with 1.5 line spacing. Please consult the [SoSyM author information for submitting papers](#).
- At least three reviewers will review each paper.

Making a submission

- Communicate your intent to submit a paper by emailing the theme section editors the following information before the Intent to Submit deadline: Title, Authors, and an Abstract
- Possible submission formats are:
 - Word (.doc, without macros)
 - Rich Text Format (.rtf)
 - PostScript (.ps, special fonts must be embedded)
 - PDF (saved as readable in version 5.0 or earlier)
- Submit your work using the online submission system [manuscript central](#):
 - In step 1, select “Theme Section Paper” as the manuscript type.
 - In step 5, make sure field “Cover Letter” includes the line: “Submission for Theme Section on Modeling in Low-Code Development Platforms”.

Further information

If you have any questions or require additional information about this theme section, please contact the editors.