



Acta Informatica

<https://www.springer.com/236>

Editor-in-Chief: Christel Baier, Dresden, Germany

Call for Papers

Special Issue on SYNTHESIS (SYNT'18)

Special Issue Guest Editors

Paulo Tabuada, University of California Los Angeles, USA, tabuada@ee.ucla.edu

Roderick Bloem, Graz University of Technology, Austria, roderick.bloem@iaik.tugraz.at

Introduction

This special issue is devoted to the scope of the Third Workshop on Synthesis, SYNT 2018 (see <http://synt2018.seas.ucla.edu/cfp.html>). SYNT 2018 was part of the Federated Logic Conference in Oxford and was devoted to bringing together researchers interested in the broad area of synthesis of computing systems. The workshop fosters the development of frontier techniques in automating the development of computing systems and is inclusive in its interpretation of the term synthesis.

Topics of interest

Topics of interest include, but are not limited to:

- algorithms and tools for software synthesis and reactive (discrete-time, timed, hybrid, ...) synthesis,
- specification languages and optimization in synthesis,
- complexity and decidability results for synthesis,
- case studies of software or hardware synthesis,
- connections between verification and synthesis,
- synthesis by model learning,
- connections between synthesis and inductive programming,
- new approaches or applications for synthesis,
- description and analysis of benchmark families for synthesis.

Important Date

- Submission deadline: 15th January 2019

Submission instructions

Submission to this special issue is completely open and not limited to participants of the SYNT workshop.

We expect original articles (typically 15-30 pages), which present high-quality contributions that have not been previously published in a journal and are not concurrently submitted to any other peer reviewed venue. Submission of a manuscript implies that the work described has been approved by all co-authors, if any, as well as by the responsible authorities – tacitly or explicitly – at the institution where the work has been carried out.

Extended versions of contributions previously published in proceedings need to contain significant new material and should be accompanied by a short description of the extension.

Submissions should be made online via the Editorial Manager System at <http://www.editorialmanager.com/acin/>.

At the beginning of the submission process in Editorial Manager, under “Article Type”, please select the appropriate special issue (S.I.: SYNT’18).

All manuscripts must be prepared according to the journal publication guidelines which can also be found on the website (<https://www.springer.com/236>). Papers will be evaluated following the journal's standard review process.

For inquiries on the above please contact the Guest Editors.