

**Call for Papers**  
17th International Conference on  
**Relational and Algebraic Methods in Computer Science**  
RAMiCS 2018

29 October – 2 November 2018, Groningen, The Netherlands  
<http://www.ramics-conference.org/>

**Important Dates**

Abstract Submission: 16 April 2018  
Paper Submission: 20 April 2018  
Author Notification: 29 June 2018  
Final Version: 27 July 2018

**Programme Committee**

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**Invited Speakers**

\* Roland Backhouse (University of Nottingham)  
\* Manuel Bodirsky (TU Dresden)  
\* Philippa Gardner (Imperial College London)

**Topics**

We invite submissions in the general fields of algebras relevant to computer science and applications of such algebras. Topics include but are not limited to:

**Theory**

- \* algebras such as semigroups, residuated lattices, semirings, Kleene algebras, relation algebras and quantales;
- \* their connections with program logics and other logics;
- \* their use in the theories of automata, concurrency, formal languages, games, networks and programming languages;
- \* the development of algebraic, algorithmic, category-theoretic, coalgebraic and proof-theoretic methods for these theories;
- \* their formalisation with theorem provers.

**Applications**

- \* tools and techniques for program correctness, specification and verification;
- \* quantitative and qualitative models and semantics of computing systems and processes;
- \* algorithm design, automated reasoning, network protocol analysis, social choice, optimisation and control;
- \* industrial applications.

**Submission Instructions**

Submission is via EasyChair at

<https://www.easychair.org/conferences/?conf=ramics17>

All papers will be peer-reviewed by at least three referees. The proceedings will be published in an LNCS volume by Springer, ready at the conference. Submissions must not be published or under review for publication elsewhere. Submissions must be in English using a PDF not exceeding 16 pages in LNCS style. Submissions must provide sufficient information to judge their merits. Additional material may be provided in a clearly marked appendix or by a reference to a manuscript on a web site. Experimental data, software or mathematical components for theorem provers must be available in sufficient detail for referees. Deviation from these requirements may lead to rejection.

One author of each accepted paper is expected to present the paper at the conference. Accepted papers must be produced with  $\LaTeX$ . Formatting instructions and LNCS style files are available at <http://www.springer.de/comp/lncs/authors.html>

As for earlier RAMiCS conferences, we intend to publish a journal special issue with revised and extended versions of a selection of the best papers.