

SYNASC 2017

19th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing

September 21-24, 2017, Timișoara, România



www.synasc.ro

*In honor of Professor Stefan Mărușter's 80th birthday,
of Professor Bruno Buchberger's 75th birthday and
of Professor Tetsuo Ida's 70th birthday*

Honorary Chairs

- Bruno Buchberger, Johannes Kepler University, Austria
- Ștefan Mărușter, West University of Timișoara, Romania

General Chairs

- Viorel Negru, West University of Timișoara, Romania
- Dana Petcu, West University of Timișoara, Romania

Program Chairs

- Tudor Jebelean, Johannes Kepler University, Austria
- Daniela Zaharie, West University of Timișoara, Romania

Invited Speakers

- Erika Abraham, RWTH Aachen University, Germany
- Armin Biere, Johannes Kepler University, Austria
- Bruno Buchberger, Johannes Kepler University, Austria
- Panagiota Fatourou, University of Crete
- Tetsuo Ida, University of Tsukuba, Japan
- Gheorghe Păun, Romanian Academy, Romania
- Klaus-Dieter Schewe, SCC Hagenberg, Austria
- Wolfgang Windsteiger, Johannes Kepler University, Austria

Tracks

- Symbolic Computation
- Numerical Computing
- Logic and Programming
- Artificial Intelligence
- Distributed Computing
- Advances in the Theory of Computing

Important Dates

- June 15 : Paper submission (firm deadline)
- July 15 : Notification of acceptance
- September 1 : Registration
- September 1 : Revised papers
- September 21-24 : Symposium
- November 30 : Final papers

Workshops

- Agents for Complex Systems
- Data Representation for Learning, Living-systems and Signals
- Days of Computer Science
- Digital Image Processing for Medical and Automotive Industry
- Geoinformatics
- HPC for Science and Technology
- Iterative Approximation of Fixed Points
- Natural Computing and Applications

Local Committee Chairs

- Isabela Drămnesc, West University of Timișoara, Romania
- Silviu Panica, Research Institute e-Austria Timișoara, Romania
- Monica Tirea, West University of Timișoara, Romania
- Mihai Găianu, West University of Timișoara, Romania

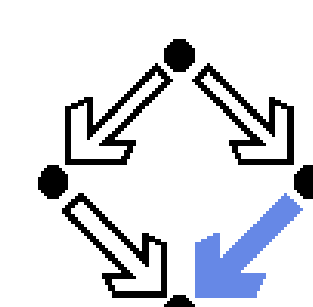
Organizers:



Department of Computer Science,
West University of Timișoara



Research Institute e-Austria
Timișoara, România



Research Institute for Symbolic Computation
Johannes Kepler University, Linz Austria

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Aim

SYNASC aims to stimulate the interaction between the two scientific communities of symbolic and numeric computing and to exhibit interesting applications of the areas both in theory and in practice. The choice of the topic is motivated by the belief of the organizers that the dialogue between the two communities is very necessary for accelerating the progress in making the computer a truly intelligent aid for mathematicians and engineers.

Publication

Research papers that are accepted and presented at the symposium will be collected as post-proceedings published by Conference Publishing Service (CPS) and will be submitted for inclusion in IEEE Xplore and for indexing in ISI Web of Science, DBLP, SCOPUS.

Submission

Submissions of research papers are invited. The papers must contain original research results not submitted and not published elsewhere.

There are four categories of submissions: **Regular papers**, **System descriptions and experimental papers**, **Short papers**, **Posters**.

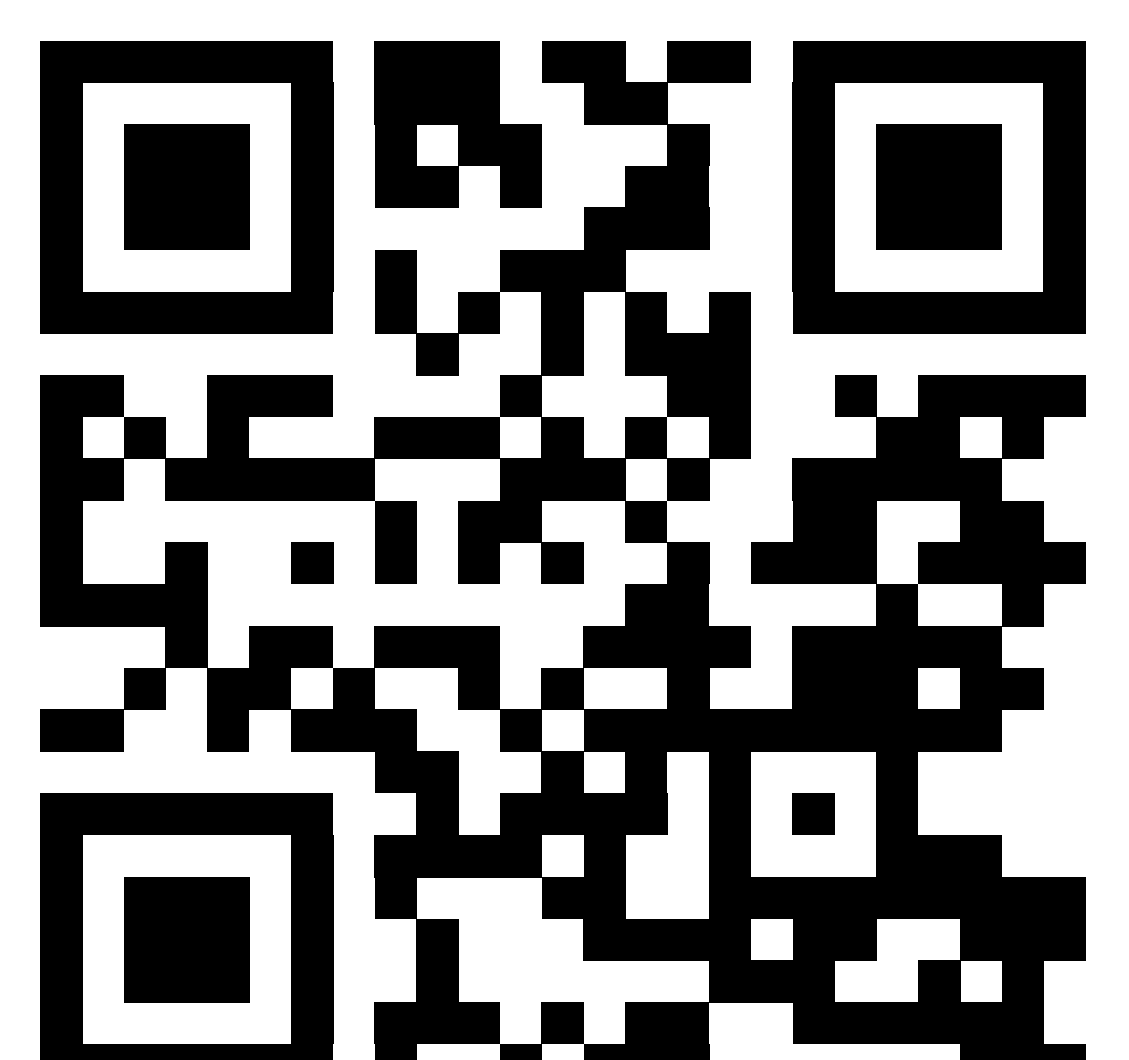
The papers should be submitted through

<http://www.easychair.org/conferences/?conf=synasc2017> (for the main tracks)

<http://easychair.org/conferences/?conf=synasc2017workshops> (for the workshops)

Contact

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<https://goo.gl/X4pEkn>