

# Synasc 2005 - Call for papers

NEW submission deadline: July, 4

New submission deadline for ACSys 2005: July 29, 2005

SYNASC 2005  
7th International Workshop on  
Symbolic and Numeric Algorithms for Scientific Computing  
Timisoara, Romania  
September 25-29, 2005  
<http://synasc05.info.uvt.ro/> Organized by:

Department of Computer Science  
West University of Timisoara, Romania

<http://www.math.uvt.ro>  
Research Institute for Symbolic Computation  
Johannes Kepler University, Linz, Austria

<http://www.risc.uni-linz.ac.at>  
Research Institute e-Austria  
<http://www.ieat.ro> Aim:  
SYNASC aims to stimulate the interaction between the two scientific communities of symbolic and numeric computing, with the purpose of exhibiting interesting applications of these areas both in theory and in practice.

Topics of interests:

- symbolic techniques applied to numerics;
- numerics and symbolics for geometry;
- automated reasoning;
- computer algebra;
- solving systems of nonlinear equations;
- parallel, distributed and web computing for symbolics and numerics;
- formal system verification;
- software quality assesment;
- programming with constraints, narrowing;
- artificial intelligence in numeric solving;
- multi-agent systems for complex problem solving;
- scientific visualization;
- grid middleware and applications;
- soft computing;

- data mining but this list is not intended to be exhaustive. The choice of this topic is motivated by the belief of the organizers that the dialogue between the two communities is very necessary in order to make significant progress in making the computer a truly intelligent aid for mathematicians and engineers.

We invite submissions in the form of:

- full research papers,
- short papers (work in progress),
- system descriptions and software demonstrations.

Proposals for workshops or technical sessions are also invited.

Publication:

The extended abstracts of the papers accepted for presentation at SYNASC'05 will be available to the participants on a CD at the conference site.  
Revised versions of papers presented at SYNASC'05 will further be published by IEEE Computer Press. General Chairs:

Bruno Buchberger, Johannes Kepler University, Linz  
Stefan Maruster, West University of Timisoara

Program Chairs:

Tudor Jebelean, Johannes Kepler University, Linz  
Viorel Negru, West University of Timisoara

## Local Chairs:

Dana Petcu, West University of Timisoara  
Daniela Zaharie, West University of Timisoara Program Committee:

Charles G. Broyden, UK  
Vasile Berinde, Romania  
Stefano Cerri, France  
Gabriel Ciobanu, Romania  
Gheorghe Coman, Romania  
Vladimir Cretu, Romania  
Christo Dichev, Bulgaria  
Adina Florea, Romania  
Laureano Gonzales-Vega, Spain  
Vladimir Gorodetsky, Russia  
Daniele Herin, France  
Stefan Holban, Romania  
Tetsuo Ida, Japan  
Boris Konev, UK  
Jens Knoop, Austria  
Attila Kuba, Hungary  
Dorel Lucanu, Romania  
Mircea Marin, Japan  
Radu Marinescu, Romania

Guy Melançon, France  
Marius Minea, Romania  
Markus Müller-Olm, Germany  
Vasile Palade, UK  
Marcin Paprzycki, USA  
Petru Pau, Austria  
Bazil Parv, Romania  
Eugene Roventa, Canada  
Markus Schordan, Austria  
Amal El Fallah Seghrouchni, France  
Luminita State, Romania  
Doina Tatar, Romania  
Marie-Claude Thomas, France  
Ioan Tomescu, Romania  
Brigitte Trousse, France  
Dan Tufis, Romania  
Ferucio Laurentiu Tiplea, Romania  
Lucia Vaina, USA  
Helmut Veith, Austria

## Submission:

Papers of up to 8 pages (IEEE style), must be submitted electronically to [synasc05@info.uvt.ro](mailto:synasc05@info.uvt.ro)  
Extended abstracts (up to 4 pages) may be submitted for short papers and system presentations.

Proposals for workshops and special technical sessions are also invited. Such workshops and special sessions should have a focus and topic content that relates to the SYNASC05 topics. Workshops and sessions should have a minimum of five papers. Please send a short description (100-200 words) of the proposed workshop or technical session. The description should contain the scope, focus and/or intended content. The proposal should also list the submission procedures, program/review committee members and submission dates (these should be in concordance with the SYNASC05 deadline for final paper submission).

## Important dates:

Workshop proposals (extended deadline): May 6, 2005

New extended deadline for submission: July 4, 2005

Notification of acceptance: August 1, 2005

Final paper and registration: September 1, 2005

Workshop starts: September 25, 2005 Revised papers for post-proceedings: October 20, 2005

Conference fees:

The estimated registration fees are:

- without post-proceedings volume: 150 Euro (it covers the CD, refreshments during breaks, welcome cocktail and banquet)
- including the post-proceedings volume: 250 Euro (it covers the post-proceedings, the CD, refreshments during breaks, welcome cocktail and banquet)

Students and participants from Eastern Europe may apply for reduced participation fee:

- 75 Euro (without post-proceedings)
- 175 Euro (including post-proceedings).

Travel arrangements:

Air travel from Vienna to Timisoara: daily 13:45 and back 16:30 (Austrian airlines).

via Bucuresti: various (from Bucuresti to Timisoara by plane - 1h or by train - 10 h).

via Budapest: various (from Budapest to Timisoara by plane - 1h or by train - 7h or by bus - 5h). Venue: The city of Timisoara hosts several prestigious academic institutions (the West University, the "Politehnica" University, the University of Medicine, and others). The city and the surrounding region have a unique history in Romania, being over the centuries an object of dispute for several states (Roman, Hungarian, Ottoman, Austrian), which left their still visible marks, and, above all, a very multicultural society which constitutes a beautiful example of harmony in Romania and in the Balkans (30 Km from Serbia). The openness of mind of its inhabitants is probably one of the reasons for starting the anti-Communist movement in Romania and for being now one of the economically most advanced locations in the country.

Online information about Timisoara:

- <http://www.eng.timisoara.ro>
- <http://www.timisoara.com>
- <http://www.timisoara.ro>

Social programme:

A social programme including visits to the historical city, museum, and possibly a trip to Danube river / center of Romania / wine cave - depending on the programme and wishes of the participants.

Address for correspondence

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Additional info: <http://www.math.uvt.ro> , <http://synasc05.info.uvt.ro>