

Synasc 2006 - Call for papers

SYNASC 2006

8th International Symposium on
Symbolic and Numeric Algorithms for Scientific Computing
Timisoara, Romania
September 26-29, 2006
<http://synasc06.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,
Timisoara, Romania <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. 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.

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;
 - image processing.
- This list is not intended to be exhaustive. 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:

Revised versions of papers presented at SYNASC'06 will be published in post-proceedings edited by an international publishing house (IEEE Computer Society 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:

Stefan Andrei, Singapore

Vasile Berinde, Romania
Charles G. Broyden, UK
Cosmin D. Bocaniala, UK
Stefano Cerri, France
Gabriel Ciobanu, Romania
Gheorghe Coman, Romania
Vladimir Cretu, Romania
Monica Crubezy, USA
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, Poland
Petru Pau, Austria
Bazil Parv, Romania
Gheorghe Puscasu, Romania
Eugene Roventa, Canada
Nicolas Sabouret, France
Markus Schordan, Austria
Amal El Fallah Seghrouchni, France
Daniel Stamate, UK
Luminita State, Romania
Doina Tatar, Romania
Marie-Claude Thomas, France
Ioan Tomescu, Romania
Brigitte Trousse, France
Dan Tufis, Romania
Ferucio Laurentiu Tiplea, Romania
Helmut Veith, Austria
Juan Velasquez Silva, Chile
Stephen Watt, Canada

Papers of up to 8 pages (IEEE conference style), must be submitted electronically through <http://synasc06.info.uvt.ro/CRP>

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 SYNASC06 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 SYNASC06 deadline for final paper submission).

Important dates:

Workshop proposals: April 15, 2006

Extended deadline for submission: June 15, 2006 June 30, 2006

Notification of acceptance: August 7, 2006

Final paper and registration: September 1, 2006

Workshop starts: September 26, 2006 Revised papers for post-proceedings: October 30, 2006

Conference fees:

The estimated registration fee is:

- 250 Euro (it covers refreshments during breaks, welcome cocktail and symposium dinner and post-proceedings)

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

- 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.tion.ro>
- <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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