Tunisia-Japan Workshop on Symbolic Computation in Software Science, SCSS 2009
Gammarth, Tunisia
September 22-24, 2009

Scope

Symbolic computation is the science of computing with symbolic objects (terms, formulae, programs, algebraic objects, geometrical objects, etc). Powerful symbolic algorithms have been developed during the past decades like theorem proving techniques, software verification, model checking, rewriting techniques, network security, Gröbner bases, characteristic sets, etc.

In this workshop, we solicit papers on algorithms and techniques of symbolic computations and their applications in software science. The topics of the workshop include:

- theorem proving methods and techniques
- algorithm (program) synthesis
- algorithm (program) verification
- formal methods for the analysis of network security
- termination analysis of algorithms (programs)
- complexity analysis of algorithms (programs)
- extraction of specifications from algorithms (programs)
- generation of inductive assertion for algorithm (programs)
- algorithm (program) transformations
- component-based programming
- computational origami
- query languages (in particular for XML documents)
- semantic web
- etc.

This workshop is the second in the SCSS workshop series. SCSS 2008 took place at the Research Institute for Symbolic Computation (RISC), Hagenberg, Austria. The workshop grew out of internal workshops that bring together researchers from SCORE (Symbolic Computation Research Group, University of Tsukuba, Japan), the Theorema Group at RISC (Research Institute for Symbolic Computation, Johannes Kepler
University Linz, Austria), SSFG (Software Science Foundation Group, Kyoto University, Japan) and Sup’Com (University of November 7th at Carthage, Tunisia). SCSS is open for the international community and welcomes paper submissions.

**Venue**

The workshop will be held at Ramada Hotel in Gammarth, Tunisia. Gammarth is 20km north east of Tunis and 10km north of the archeological site of Carthage. The legendary Phoenician princess Dido founded Carthage and the city possessed economic, cultural, and military power in the Mediterranean during Punic and Roman eras.

**Invited Speakers**

- Henk Barendregt  
  Radboud University Nijmegen, Netherlands
- Dongming Wang  
  University Pierre et Marie Curie - CNRS, France
- Stephen Watt  
  University of West Ontario, Canada

**Program Co-Chairs**

- Adel Bouhoula  
  University of November 7th at Carthage, Tunisia
- Tetsuo Ida  
  University of Tsukuba, Japan

**Program Committee**

- Tudor Jebelean  
  Johannes Kepler University Linz, Austria
- Temur Kutsia  
  Johannes Kepler University Linz, Austria
- Yasuhiko Minamide  
  University of Tsukuba, Japan
- Mohamed Mosbah  
  University of Bordeaux, France
- Michael Rusinowitch  
  INRIA Lorraine, France
- Masahiko Sato  
  Kyoto University, Japan
- Yahya Slimani  
  University El Manar Tunis, Tunisia

**Local Organizers**

- Nizar Ben Neji  
  University of November 7th at Carthage, Tunisia
- Fadoua Ghourabi  
  University of Tsukuba, Japan
- Sourour Meharouech  
  University of November 7th at Carthage, Tunisia

**Publications**

Accepted papers will be available during the workshop as the EasyChair proceedings of SCSS 2009. We plan to have a special issue of the Journal of Symbolic Computation on SCSS 2009. The final decision for organizing the special issue will be made after the
workshop. The full version of selected papers will be considered for the publication of the special issue subjected to the normal peer review process of the Journal of Symbolic Computation.

**Submission**

Abstracts and papers or extended abstracts should be submitted using EasyChair. Papers or extended abstracts should be prepared in LaTeX, formatted according to the EasyChair style (style files are available from http://www.easychair.org/easychair.zip), and should not exceed 16 pages.

**Important Dates**

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<td>May 29, 2009</td>
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<td>June 22, 2009</td>
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<td>August 30, 2009</td>
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**Publicity**

The web page for the workshop is at http://www2.score.cs.tsukuba.ac.jp/scssWorkshop/index.html in which more detailed and up-to-date information will be available.