

# 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**

Abstract submission	May 29, 2009
Acceptance notification	June 22, 2009
Full paper submission	August 30, 2009
Workshop	September 22-24, 2009

## **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.