

Call for Papers SAMOS V

The 5th International Workshop on
embedded computer **Systems: Architectures, MOdeling, and Simulation**
July 18-20 2005, Samos, Greece



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The main focus of the workshop is on the state-of-the art techniques in the (system-level) design of embedded systems, including mapping techniques and synthesis, processors design and implementation, architectures, systems on a chip modeling issues such as specification languages, formal models, and finally simulation, and hardware-software codesign. In addition of considering only new innovative research, submissions of works in progress, positional, and review of the state of the art papers are also encouraged.

Topics of interest include but are not limited to the following:

- Embedded System-Level Design and Simulation
- Multimedia, Graphics, and Signal Processors
- Hardware-Software Codesign
- Design Space Exploration
- Embedded Reconfigurable Processors
- Energy Aware Processors
- Embedded System Simulation
- Application Specifications and Modeling for Embedded Systems
- Compiler and Mapping Technology
- Embedded Processors and Architectures
- Applications of Embedded Computing Systems
- Network-on-Chip Platforms

All the submissions are reviewed by the Program Committee. The accepted papers will be included into the SAMOS V Proceedings in Springer LNCS series (max. 10 pages, LNCS format). The Proceedings will be distributed at the workshop site.

Submission due dates:

Submission of full paper	February 26, 2005
Notification of acceptance	March 19, 2005
Submission of camera-ready paper	April 1, 2005

All submissions must be made electronically in PDF. Detailed submission instructions are available on the workshop web site at http://ce.et.tudelft.nl/samos/samos_v.

The Samos workshops have established a tradition of not only presenting new results but also bringing to the audience open challenging problems and on-the-stage requests for suggestions for solutions. The SAMOS I workshop (2001) culminated in the LNCS 2268 Tutorial "Embedded Processor Design Challenges" (Springer), the SAMOS II (2002) in the book "Domain-Specific Processors" (Marcel Dekker), and SAMOS III and IV workshops (2003 and 2004) in LNCS 3133 Proceedings "Computer Systems: Architectures, Modeling, and Simulation" (Springer). The online proceedings of the SAMOS III workshop are available at <http://ce.et.tudelft.nl/samos/>.

