



## Call for Papers

### 9th International Workshop on Software and Compilers for Embedded Systems (SCOPES 2005)

Sept 29-Oct 1, Dallas, Texas, USA

#### General Chairs

- Krishna Kavi
- Ron Cytron

#### Program Chairs

- Phil Sweany
- Steve Beaty

#### Tutorial Chair

- Mehran Rezaei

#### Program Committee

- Uwe Assmann
- Kendra Cooper
- Jack Davidson
- Alex Dean
- Pierfrancesco Foglia
- Roberto Giorgi
- Gernot Heiser
- Nigel Horspool
- Seongsoo Hong
- Annie Liu
- T. John Koo
- Andreas Krall
- Rainer Leupers
- Peter Marwedel
- Yunheung Paek
- Krishna Palem
- Yi Qian
- Henk Schepers
- Philips
- Hans van Someren
- Peter-Michael Seidel
- David Walley
- I-Ling Yen
- Zhenlin Wang
- Wei Zhao

SCOPES 2005 is the ninth workshop in a series that initially was called "International Workshops on Code Generation for Embedded Processors." As SCOPES, the workshops' focus is best described as software for embedded systems with emphasis on code generation for embedded processors. Topics of greatest interest include:

- code generation for embedded processors,
- compilers for reconfigurable architectures,
- retargetable compilers for fast design space exploration,
- compilation for hardware/software co-design,
- application-specific programmable core/software development tools co-design
- compilation and software design for heterogeneous single-chip multi-core processors,
- profiling and analysis techniques for embedded software,
- optimizations for embedded Java,
- specification and validation techniques for embedded software,
- software synthesis,
- design of embedded software,
- memory hierarchy exploitation,
- run-time support and real-time operating systems, and
- optimization for low power architectures.

We anticipate one workshop day for embedded system compilers, one day for issues related to embedded software and embedded processor architectures, and one day reserved for tutorials.

A key goal of the workshop is to provide an interactive atmosphere. Questions are encouraged during all presentations. In addition, the workshop will include special discussion sessions. The workshop is open to all interested participants active in embedded systems. By holding the conference in Dallas, we expect to attract significant numbers of attendees from the research and application communities of both industry and academia. In addition to four research universities in the immediate vicinity, Dallas is the home of a thriving embedded computing industry, including companies such as Texas Instruments, STMicroelectronics, Via Cyrix, as well as customers of embedded systems including telecommunication companies such as Erikson, Nokia, NEC, Motorola, and WiQuest. This diversity, coupled with our strong emphasis on interaction among participants, will facilitate sharing of expertise and interests among industry and academic professionals.

Submission Papers should present original, new research results not published or submitted for publication in other forums. Papers should not exceed 20 double-spaced pages, 12-point type. Papers should be submitted using the submission page that will be available on or before March 15, 2005. The submission deadline for full papers is April 18, 2005.

For further information, visit <http://www.scopesconf.org/>