

ODES-7: 7th Workshop on Optimizations for DSP and Embedded Systems

<http://www.imec.be/odes>

March 22, 2009
Seattle, Washington

in conjunction with IEEE/ACM International Symposium on Code Generation and Optimization (CGO)

<http://www.cgo.org/>

Call for papers

Optimizations are crucial to meet the performance, power and cost requirements that DSP and embedded systems have. The aim of the ODES workshop is to give the opportunity to researchers and practitioners working on this, to share their findings and get feedback. We think interacting with the community is crucial to do relevant research, and therefore ODES tries to maximize the interaction by carefully selecting the program committee members that review the submissions and at the workshop itself, reserving enough time for discussion.

Topics of Interest

Next to the traditional topics shown below, this year's edition will give special attention to the **medical signal processing** domain. We will have a *keynote* on optimizations for medical image processing and are especially soliciting papers in this domain.

Topics of interest include, but are not limited to:

- Algorithmic transformations and code/software optimization
- Hardware and software optimizations for low-power consumption and/or code density
- Coprocessor and hardware accelerators
- Compiler techniques and code generation and optimization techniques for algorithms and systems for
 - Video compression, pre and post processing
 - Medical signal processing
- Frameworks for profiling and scheduling tasks (multiple/concurrent) on various hardware resources (single-core + hardware accelerators, dual-core, system-on-a-chip, etc)
- Hardware/software trade-offs with ASICs, FPGA's, DSPs, general-purpose processors, microcontrollers, etc as building blocks
- Retargetable compilers and reconfigurable architectures

Important dates and deadlines

- Submission: ~~January 16, 2009~~ **Extended: January 30, 2009**
- Acceptance: February 20, 2009
- Final version: March 3, 2009

Submission guidelines

To encourage submissions of early work and more mature work, we are allowing two submission formats:

- **Either** a full paper, not exceeding 10 pages in length, two-column formatting preferred.
- **Or** a set of slides, along with a brief description (1-2 pages) of the main theme of the talk.

Include the list of authors and their affiliations, addresses, telephone and fax numbers, email addresses and the name of the corresponding author. Please send the submission/s by the deadline to: Tom Vander Aa *and* Jagadeesh Sankaran via email at vanderaa@imec.be and sankaran@ti.com

Program co-chairs:

Jagadeesh Sankaran	sankaran@ti.com	Texas Instruments
Tom Vander Aa	vanderaa@imec.be	IMEC

Program Committee

Francisco Barat	NXP
Shuvra Bhattacharya	University of Maryland
John Cavazos	University of Delaware
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Vijay Narayanan	Pennsylvania State University
Yoshinori Takeuchi	Osaka University
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Past Workshops

ODES-1: http://www.ece.vill.edu/~deepu/odes/odes-1_program.html

ODES-2: http://www.ece.vill.edu/~deepu/odes/odes-2_program.html

ODES-3: http://www.ece.vill.edu/~deepu/odes/odes-3_program.html

ODES-4: http://www.ece.vill.edu/~deepu/odes/odes-4_program.html

ODES-5: http://www.ece.vill.edu/~deepu/odes/odes-5_program.html

ODES-6: <http://www.imec.be/odes/>