

Preliminary Call for Papers

# The 13th International Workshop on Logic & Synthesis (IWLS)

June 2 – 4, 2004

Temecula Creek Inn, Temecula, California  
Colocated with DAC 2004 (the week before)

[www.iwls.org](http://www.iwls.org)

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The International Workshop on Logic and Synthesis provides an international forum for promoting research and exchanging ideas about all aspects of integrated circuit and system synthesis, optimization, and verification. The workshop encourages early dissemination of ideas and results. Accepted papers are distributed only to IWLS participants.

The workshop format includes talks, posters, a panel discussion or invited talks, and social lunch and dinner gatherings. To further simulate interaction among participants, there will be exercises in collaborative problem solving. Attendees will be divided into groups, each tackling a challenging problem submitted through the web and selected by the focus group chair. The EDA community is encouraged to submit logic and synthesis problems through <http://www.iwls.org/>. Example problems and details will be available in early January.

Topics of interest include architectures and compilation, synthesis and optimization, power and timing analysis, design validation and verification, and design experiences, all applied at system description levels ranging from transistors to hardware-software interfaces. Implementation might be in synchronous or asynchronous CMOS, or any emerging technology. Submissions on modeling, analysis and tools targeting emerging technologies and platforms are particularly encouraged.

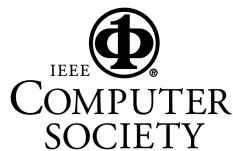
Authors may submit complete papers for their proposed presentation. These must be no longer than 8 pages, double column, and in a 10-point font. We also encourage submissions of extended abstracts in the early stages of research that highlight important new problems, perhaps without providing complete solutions. Only electronic submissions will be accepted: submit at <http://www.iwls.org>. For questions, contact [IWLS\\_pcchair@sigda.org](mailto:IWLS_pcchair@sigda.org). For travel grants, apply to ACM/SIGDA's travel grant program at <http://www.sigda.acm.org/Programs/TravelGrant/>.

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Submission deadline	
for papers and problems	March 15, 2004
Notification of acceptance	April 15, 2004
Final version due	April 29, 2004

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