

# CFP: DATICS 2008 – Design, Analysis and Tools for Integrated Circuits and Systems

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## CALL FOR PAPERS

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Special session: Design, Analysis and Tools for Integrated Circuits and Systems

DATICS 2008

July 22–24, 2008 (Crete Island, Greece)  
<http://digilander.libero.it/systemcfl/datics>

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## Aims and Scope

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The main target of the Special Session: DATICS 2008 of the WSEAS CSCC multi-conference

(<http://www.wseas.org/conferences/2008/greece/icc/>) is to bring together software/hardware engineering researchers, computer scientists, practitioners and people from industry to exchange theories, ideas, techniques and experiences related to all areas of design, analysis and tools for integrated circuits (e.g. digital, analog and mixed-signal circuits) and systems (e.g. real-time, hybrid and embedded systems).

The special session also focuses on the field of formal methods and low power design methodologies for integrated circuits.

## Topics

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

- \* digital, analog, mixed-signal designs and test
- \* RF design and test
- \* design-for-testability and built-in self test methodologies
- \* reconfigurable system design
- \* high-level synthesis
- \* EDA tools for design, testing and verification
- \* low power design methodologies
- \* network and system on-a-chip

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- \* application-specific SoCs
- \* specification languages: SystemC, SystemVerilog and UML
- \* all areas of modelling, simulation and verification
- \* formal methods and formalisms (e.g. process algebras, petri-nets, automaton theory and BDDs)
- \* real-time, hybrid and embedded systems
- \* software engineering (including real-time Java, real-time UML and performance metrics)

### Industrial Collaborators:

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DATICS 2008 is partnered with:

- \* CEOL: Centre for Efficiency-Oriented Languages "Towards improved software timing",  
University College Cork, Ireland (<http://www.ceol.ucc.ie>)
- \* International Software and Productivity Engineering Institute, USA  
(<http://www.intspei.com>)
- \* Intelligent Support Ltd., United Kingdom (<http://www.isupport-ltd.co.uk>)
- \* Solari, Hong Kong (<http://www.solari-hk.com>)
- \* Minteos, Italy (<http://www.minteos.com>)
- \* M.O.S.T., Italy (<http://www.most.it>)

### Technical Program Committee:

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- \* Prof. Vladimir Hahanov, Kharkov National University of Radio Electronics, Ukraine
- \* Prof. Paolo Prinetto, Politecnico di Torino, Italy
- \* Prof. Alberto Macii, Politecnico di Torino, Italy
- \* Prof. Joongho Choi, University of Seoul, South Korea
- \* Prof. Wei Li, Fudan University, China
- \* Prof. Michel Schellekens, University College Cork, Ireland
- \* Prof. Franco Fummi, University of Verona, Italy
- \* Prof. Jun-Dong Cho, Sung Kyun Kwan University, South Korea
- \* Dr. Emanuel Popovici, University College Cork, Ireland
- \* Dr. Jong-Kug Seon, Telemetrics Lab., LG Industrial Systems Co. Ltd., South Korea
- \* Dr. Umberto Rossi, STMicroelectronics, Italy
- \* Dr. Graziano Pravadelli, University of Verona, Italy
- \* Dr. Vladimir Pavlov, International Software and Productivity Engineering Institute, USA
- \* Dr. Jinfeng Huang, Philips & LiteOn Digital Solutions Netherlands, Advanced Research Centre, The Netherlands
- \* Dr. Thierry Vallee, Georgia Southern University, Statesboro, Georgia, USA
- \* Dr. Menouer Boubekeur, University College Cork, Ireland
- \* Dr. Ana Sokolova, University of Salzburg, Austria
- \* Dr. Sergio Almerares, STMicroelectronics, Italy
- \* Ajay Patel (Director), Intelligent Support Ltd, United Kingdom
- \* Monica Donno (Director), Minteos, Italy

## CFP: DATICS 2008 – Design, Analysis and Tools for Integrated Circuits and Systems

\* Alessandro Carlo (Manager), Research and Development Centre of FIAT,  
Italy

\* Yui Fai Lam (Manager), Microsystems Packaging Institute, Hong Kong  
University of  
Science and Technology, Hong Kong

### Important Dates

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March 31, 2008: Deadline for submission of completed papers

May 1, 2008: Notification of acceptance/rejection to authors

Please visit our web-site for further information on the hosting  
conference of DATICS,  
submission guidelines, proceedings and publications and international  
technical reviewers.

Best regards,

General Chair of DATICS: Dr. K.L. Man (University College Cork,  
Ireland)

and

Organising Committee Chair: Miss Maria O'Keeffe (University College  
Cork, Ireland)

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