Call for FPGAworld Conference September 2013

International Academic/Industrial Papers, Product Presentations,
Exhibits, Demonstrations, Panel session and Tutorials
Stockholm, **Copenhagen** and **Finland**

Submissions should be in at least one of these areas

- DESIGN METHODS - MODELS AND PRACTICES
    - Project methodology
    - Design methods as Hardware/software co-design
    - Modeling of different abstraction
    - IP component designs
    - Interface design: supporting modularity
    - Integration - models and practices
    - Verification and validation
    - Board layout and verification
- TOOLS
    - News
    - Design, modeling, implementation, verification and validation
    - Instrumentation, monitoring, testing, debugging, etc.
    - Synthesis, compilers and languages
- HW/SW IP COMPONENTS
    - New IP components for platforms and applications
    - Real-time operating systems, file systems, internet communications
- PLATFORM ARCHITECTURES
    - Embedded systems
    - Single/multiprocessor architecture
    - Memory architectures
    - Reconfigurable architectures
    - HW/SW architecture
    - Low power architectures
- APPLICATIONS
    - Case studies from users in industry, academic and students
    - HW/SW component presentation
    - Prototyping
- SURVEYS, TRENDS AND EDUCATION
    - History and surveys
    - Tutorials
    - Student works and projects

www.fpgaworld.com

FPGA world ™

Welcome to
9th FPGAworld CONFERENCE!
September the 4th 2012
Stockholm, ÅF, Solna

The international FPGAworld Conference addresses all aspects of digital and hardware/software system engineering on FPGA technology. It is a discussion and network forum for researchers and engineers working on industrial and research projects, state-of-the-art investigations, development and applications. For further information, please visit *www.fpgaworld.com* and *www.facebook.com/fpgaworld*.

EXHIBITORS

Altera, Synopsys, Bitsim, Avnet-Memec , ORSoC, Xelmo, ÅF, Silica, Motion Control, Dini Group, Elektroniktidningen, Innofour, Annapolis Micro Systems, Synective Labs

SPONSORS

08:30 - 09:00	Registration	
09:00 - 09:15	Conference opening Lennart Lindh, FPGAworld	
09:15 - 10:00	Key Note Session Managing FPGA design complexity: a software perspective Dr. Pieter Hazewindus, Synopsys Room: Renen	
10:00 - 10:30	Coffee Break **Sponsored by ÅF**	
10:30 - 12:00	Room: Renen Session Chair Tryggve Mathiesen, InformASIC	Room: Älgen Session Chair Tommy Klevin, ÅF
	Session A1 FPGA Verification & Development Environment Session A2 Extend the performed simulations to get more robust designs, in a cost effective and time saving way Session A3 Migen, a Python toolbox for building complex digital hardware	Session C1 The impact of requirement traceability in safety critical designs Session C2 Microsemi SmartFusion SOC Session C3 Product Presentation: Silica Zynq-7000 All Programmable SoC
12:00 - 13:00	Lunch Break	

13:00 - 14:30	Room: Renen Session Chair Kim Petersén, HDC	Room: Älgen Session Chair Johnny Öberg, KTH
	Session A4 Will ARM based FPGA SOC change system design Methodology? Session A5 Rapid Video Prototyping Session A6 Design reuse of both HW an SW - will this finally take off?	Session B1 A Tag-Based Dynamic Memory Map Architecture in VHDL Session B2 A 26 ps RMS time-to-digital converter core for Spartan-6 FPGAs Session B3 Implementation of Genetic Algorithms using FPGA Technology
14:30 - 15:00	Coffee Break	
15:00 - 16:00	Room: Renen Session Chair Yehoshua Shoshan, Innofour	Room: Älgen Session Chair Johnny Öberg, KTH
	Session A7 FPGA SoCs - A Centerpiece For Digital Design Session A8 Model-Based Design for FPGAs - Fact or Fiction?	Session B4 Behavioral specification diversification for logic controllers implemented in FPGA devices Session C8 Product Presentation: TBA
16:00 - 16:30	Room: Renen **Panel Discussion** Session Moderator: Per Henricsson, Elektroniktidningen (Swedish Magazine) Panel: Pieter J. Hazewindus, Synopsys, USA Tryggve Mathiesen, InformASIC, Sweden Mike Dini, Dinigroup, USA	
16:30 - 18:00	Snacks and mingle **Sponsored by Altera**	

Location
ÅF
Frösundaleden 2A , 169 70 Solna, SWEDEN