Strike Technology “Gold” at DAC in San Francisco

In 1849, thousands rushed to San Francisco in hopes of striking gold in California's foothills. Today, you are invited to join more than 10,000 electronic design professionals striking gold of another kind – the latest technologies and ideas. Plan today to join the rush.

ADVANCE PROGRAM

The Moscone Center
San Francisco, California
July 24-28, 2006
www.dac.com
Designs on the Future

Dear Colleague:

The 43rd Design Automation Conference comes back to San Francisco! It is an excellent venue with its proximity to many high tech companies, its beautiful location on the Bay, and a wide variety of activities and sights to enjoy. Thousands of executives, managers, designers, academics, journalists and others will converge here during DAC, which is the largest and most prestigious event focused on the design of electronic circuits and systems.

As chair, people often ask me what is new and exciting for this year. I never tire of this question as the excitement will be at a high and I enjoy talking about all the new activities, sessions, and topics on the agenda. This year’s theme is Multimedia, Entertainment, and Games (MEGa) and it will be found throughout the program including in the keynotes, in several pavilion sessions, and in a full day of technical sessions on Wednesday. Topics will range from issues faced in the design of the iPod, to technology requirements for 3D graphics in feature films, to power management for next-generation media applications. Issues related to this theme have touched all of our lives and I’m delighted we are addressing this exciting area at DAC this year.

DAC’s technical program, which received a record 865 regular paper submissions, will include all the favorite topics plus two new ones. Beyond-the-Die will cover issues such as chip-package co-design, system-in-package (SiP), and new integration techniques such as 3D and stacked designs. Emerging Technologies has technical contributions in the areas of nanotubes, nanowires, DNA self-assembled nanostructures, and biochips. This year we have added a seventh full-day tutorial to our tutorial schedule. Overall, the program will contain more than 200 technical presentations in 11 tracks, eight technical program panels, 18 pavilion panels, and seven full-day tutorials – all led by widely respected industry experts.

We will again offer the Management Day on Tuesday, July 25, to offer mid-and senior-level design managers a forum for sharing information on key technology trends and different decision-making processes. The exhibit floor will be very crowded and lively as we have over 240 exhibitors, many of those first-time exhibitors to DAC. We will be holding hands-on tutorials throughout the week, all in the subject area of low power design.

This year’s event promises to be a huge success and a great learning experience. There will likely be a full house in The Moscone Center as we draw in more local deep-tech denizens who couldn’t travel to conference locations that were further afield, so book your reservation early.

I think those attending will find that the advancements, research and insight that the global design community brings to this year’s event is truly stellar, with something to interest everyone.

Whatever your path in EDA, DAC is your source for the best in networking, learning and insight.

For more detailed conference information, please visit us on-line at www.dac.com.

We would be delighted if you design DAC into your July plans. And we think you’ll be delighted by the experience you’ll have at this year’s DAC.

Best regards,
Ellen Sentovich
General Chair, 43rd DAC

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**The 43rd Design Automation Conference Week in Review**

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<tr>
<th>Sunday, July 23</th>
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<th>Thursday, July 27</th>
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<tr>
<td>UML for SoC Design Workshop</td>
<td>FREE Monday Exhibits</td>
<td>General Session</td>
<td>Technical Sessions</td>
<td>Keynote Address</td>
<td>Full-Day Tutorials</td>
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<td>Hands-on Tutorials</td>
<td>Keynote Address</td>
<td>MEGA Theme</td>
<td>Best Paper Awards</td>
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<td>Workshop</td>
<td>Technical Sessions</td>
<td>Hands-on Tutorials</td>
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<td>Exhibit Floor Happy Hour (5:00 pm - 6:00 pm)</td>
<td>Management Day</td>
<td>Exhibits</td>
<td>Hands-on Tutorials</td>
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<td>Hands-on Tutorial</td>
<td>DAC Party (AT&amp;T Ballpark)</td>
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<td>Exhibits</td>
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**Special Functions and Social Events**

Be sure to attend these DAC functions:
- Exhibit Floor Happy Hour on Monday, 5:00 pm – 6:00 pm
- DAC Wednesday Night Party at the AT&T Ballpark, 7:30 pm – 10:00 pm. Enjoy great food and libation.
- The DAC Pavilion in Booth 2228 on the Exhibit Floor – there’s always something going on!
- Management Day sessions on Tuesday - see the program for details
- Keynote Speakers on Tuesday and Thursday
- MEGA (Multimedia, Entertainment, and Games) sessions throughout the technical program
This year’s technical program was selected from the record number of 865 regular paper submissions, 78 panel submissions and 18 tutorial proposals DAC received. The result will be a full and varied program of timely technical and business-related sessions of interest to design engineers, management, developers, and researchers.

The DAC technical program is made up of 14 tutorials, 4 workshops, 18 DAC Pavilion presentations and 62 technical sessions divided into 11 tracks: Business; System-Level and Embedded Systems Design; MEGA; Low Power and Thermal; Analog and Circuit; Interconnect, Reliability and DFM; Verification and Test; Synthesis and FPGA; Physical Design; Beyond the Die; and New and Emerging Technologies.

Major front end themes include, the use of processors in more and more SoC designs, and a focus on **on-chip interconnect and communications-centric design**, including network-on-chip, the importance of optimizing software for real-time considerations and taking power and memory into account for **embedded software**, and transaction level modeling (TLM) at the **system level**, which also flows into detailed implementation and **verification**. In the verification area, there is a focus on processor-centric verification and an emphasis on the idea of verification planning, moving from formal specifications through well-defined verification processes to achieve satisfactory coverage and quality. Finally, aspects of formal verification are an active area of research with continued progress in design adoption: a session on bounded model checking and equivalence verification, and another on simulation-assisted formal verification will bring researchers and practitioners up to date with the latest work.

**Design for manufacturability (DFM)** continues to attract impressive work with sessions addressing the latest developments in statistical timing and power analysis methods, design-technology interactions, practical issues in DFM, and yield analysis and improvement. In the area of **low power design**, the DAC program has several sessions that discuss issues ranging from low power, thermally-aware architectures to circuit-level low power design and analysis. Research results will be presented on **signal integrity, physical design, and reliability** to solve recent problems brought up by technology scaling with sessions on topics such as power grid design, routing and buffer insertion, and soft error mitigation.

Besides these topics, numerous others – such as **analog circuit design and CAD, logic and high-level synthesis, and FPGA/reconfigurable circuit issues** – find prominence in the schedule.

New at DAC this year are the **MEGa (Multimedia, Entertainment, & Games)** themed sessions. These sessions focus on multimedia, entertainment, and games, and offer attendees an opportunity to participate in a series of technical sessions, DAC Pavilion events, and special activities on the Exhibit Floor. These sessions will highlight CAD challenges for multimedia designs, a look at next generation **MEGa designs**, and power constraints of consumer devices. Presentations are by representatives from leading companies such as STMicrowarelectronics, IBM, nVidia, Pixelworks, Qualcomm, and Intel. Highlights will include discussions of the issues faced by iPod and the Cell processor, and the technology requirements for 3-D graphics in feature films.

**Seven Full-Day Tutorials** are planned, including two on Monday, July 24, and five on Friday, July 28. Topics presented range from ESL, SystemVerilog, DFM, variability, chip and package co-design, and techniques for design error diagnosis, silicon debug and defect diagnosis, and tools for hybrid embedded systems.

Seven vendor-presented **Hands-on Tutorials** are scheduled throughout the conference, covering a variety of approaches to low power design methods and tools.

For the third year in a row, DAC will offer the popular **Management Day** on Tuesday, July 25, featuring a series of business and technology sessions designed to offer mid- and senior-level managers a forum for sharing information on key decision-making processes as well as current technology trends. It will include a panel discussion on the fabless model, a session on the choice of flows and implementation technologies, and a second session on the design of graphics, entertainment, and wireless products. In addition, registration for Management Day includes the EDA Business Forum Luncheon and Management Day cocktail party to give attendees the opportunity to network with their peers in the industry.

A full roster of panels and presentations is once again planned for the **DAC Pavilion** on the Exhibit Floor, open to all attendees. Gary Smith, chief analyst with Gartner Dataquest, will continue the tradition of opening the Pavilion program on Monday, July 24, with his presentation on EDA trends and “What’s Hot at DAC.” The Pavilion sessions will also include business-focused discussions, an “Ask the CTO” panel, the annual presentation of the Women in EDA Achievement Award, and this year’s DAC/ISSCC Student Design Contest Winners.

To register online, or to print a faxable form, visit the DAC website www.dac.com. The advance conference registration discount deadline is June 26.
### Monday, July 24

<table>
<thead>
<tr>
<th>Time</th>
<th>Rm: 305</th>
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<th>Rm: 309</th>
<th>Rm: 303</th>
<th>Rm: 301</th>
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<tbody>
<tr>
<td>9:00</td>
<td>Tutorial 1 (cont.) ESL Design Methodology Using SystemC</td>
<td>Tutorial 2 (cont.) ESL Design Methodology Using SystemC</td>
<td>Hands-on Tutorial Analysis and Optimization of Low Power Designs and Applications</td>
<td>Workshop for Women in Design Automation</td>
<td>Introduction to Chips and EDA for a Non-Technical Audience</td>
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<tr>
<td>10:00</td>
<td>Lunch (Rm. 307)</td>
<td>Lunch (Rm. 307)</td>
<td>Lunch (12:45 pm - 1:45 pm)</td>
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<tr>
<td>11:00</td>
<td>Tutorial 2 Practical Aspects of Coping with Variability: An Electrical View</td>
<td>Tutorial 2 Practical Aspects of Coping with Variability: An Electrical View</td>
<td>Introduction to Chips and EDA for a Non-Technical Audience</td>
<td>Hands-on Tutorial Exploration of System Workflows</td>
<td>Hands-on Tutorial Exploration of System Workflows</td>
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<tr>
<td>12:00</td>
<td>Lunch</td>
<td>Lunch (Rm. 307)</td>
<td>Lunch (12:45 pm - 1:45 pm)</td>
<td>Lunch</td>
<td>Lunch (12:45 pm - 1:45 pm)</td>
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### Tuesday, July 25

#### General Session and Keynote Speaker Gateway Ballroom

**Speaker:** Hans Stork - Senior Vice President and Chief Technology Officer, Texas Instruments Inc.

#### Exhibits Hours 9:00 am - 6:00 pm

<table>
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<tr>
<th>Time</th>
<th>Rm: 306/308</th>
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<td>11:00</td>
<td>LUNCH 12:00 pm - 2:00 pm</td>
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<tr>
<td>2:00</td>
<td>PANEL: The IC Nanometer Race: What Will It Take to Win?</td>
<td>SPECIAL SESSION: Reliability Challenges for 65nm and Beyond</td>
<td>Leakage, Power Analysis and Optimization</td>
<td>MPSOC Design Methodologies and Applications</td>
<td>Statistical Timing Analysis</td>
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<tr>
<td>4:30</td>
<td>PANEL: Entering the Hot Zone - Can You Handle the Heat and Be Cool!</td>
<td>SPECIAL SESSION: Power Grid Analysis and Design</td>
<td>Power Grid Analysis and Design</td>
<td>Power Grid Analysis and Design</td>
<td>Power Grid Analysis and Design</td>
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<td>6:30</td>
<td>BREAK 4:00 pm - 6:30 pm</td>
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#### Session Tracks:
- Business and System Level & Embedded MEGs
- Low Power and Thermal
- Analog and Circuit
- Interconnect, Reliability and DFM
- Verification and Test
- Synthesis and FPGA
- Physical Design
- Beyond the Die
- New and Emerging Technologies

### Wednesday, July 26

#### Exhibits Hours 9:00 am - 6:00 pm

<table>
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<tr>
<th>Time</th>
<th>Rm: 306/308</th>
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<tr>
<td>10:30</td>
<td>BREAK 10:00 am - 10:30 am</td>
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<tr>
<td>11:00</td>
<td>SPECIAL SESSION: Buffer Insertion</td>
<td>SPECIAL SESSION: Testing and Validation for Timing Defects</td>
<td>SPECIAL SESSION: Advanced Topics in Processor and System Verification</td>
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<td>12:30</td>
<td>LUNCH 12:00 pm - 2:00 pm</td>
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<tr>
<td>2:00</td>
<td>SPECIAL SESSION: CAD Challenges for Leading-Edge Multimedia Designs</td>
<td>SPECIAL SESSION: Routing</td>
<td>SPECIAL SESSION: The Test Bin</td>
<td>SPECIAL SESSION: Low Power and Ultra-Low Voltage Design</td>
<td>SPECIAL SESSION: Low Power and Ultra-Low Voltage Design</td>
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#### Session Tracks:
- Business and System Level & Embedded MEGs
- Low Power and Thermal
- Analog and Circuit
- Interconnect, Reliability and DFM
- Verification and Test
- Synthesis and FPGA
- Physical Design
- Beyond the Die
- New and Emerging Technologies

### Wednesday Night Party
- 7:30 pm - 10:00 pm
- AT&T Ballpark

#### Session Tracks:
- Business and System Level & Embedded MEGs
- Low Power and Thermal
- Analog and Circuit
- Interconnect, Reliability and DFM
- Verification and Test
- Synthesis and FPGA
- Physical Design
- Beyond the Die
- New and Emerging Technologies
San Francisco, CA, July 24 - 28, 2006

Thursday, July 27

Exhibit Hours 9:00 am - 1:00 pm

| 8:30 to 10:00 | Rm: 306/308 | Rm: 307 | Rm: 305 | Rm: 304 | Rm: 303 | Rm: 301 | Booth #2238
|---------------|-----------|--------|--------|--------|--------|--------|--------------------------|
| PANEL: Tomorrow’s Analog Just Dead or Just Different! | Nanotubes and Nanowires | Simulation Assisted Formal Verification | Yield Analysis and Improvement | Approaches to Soft Error Mitigation | Design/Technology Interaction | DAC Pavilion
|          |         |        |        |        |        |        | Developing Consumer SoCs - IP and Automation or Sticks and Duct Tape 10:00 am - 10:45 am
|          |         |        |        |        |        |        | Wireless USB - The Next Ubiquitous Connectivity Standard? 11:00 am - 11:45 am

10:30 to 12:00

| 12:45 pm - 1:45 pm | Gateway Ballroom | Keynote - The Challenges of Convergence | Alessandro Cremonesi - Strategy and System Technology Group Vice-President & Advanced System Technology General Manager, STMicroelectronics
| Session 46 | Session 47 | SPECIAL SESSION: More Moore’s Law and More than Moore’s Law | Special, Keynote: Key Technologies for Beyond the Die | Analog Design and Design Assistance
| Session 48 | Session 49 | Analysis and Optimization Issues in NoC Design | Special, Keynote: Key Technologies for Beyond the Die | Analog Design and Design Assistance
| Special, Keynote: Key Technologies for Beyond the Die | Special, Keynote: Key Technologies for Beyond the Die | Special, Keynote: Key Technologies for Beyond the Die | Special, Keynote: Key Technologies for Beyond the Die | Special, Keynote: Key Technologies for Beyond the Die
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2:00 to 4:00

| 2:00 pm - 4:00 pm | Rm: 52 | Rm: 53 | Rm: 54 | Rm: 55 | Rm: 56 | Rm: 57 | Best Paper Award Presentations
|-----------------|--------|--------|--------|--------|--------|--------|--------------------------|
| Session 52 | Session 53 | Session 54 | Session 55 | Session 56 | Session 57 | | Troubleshooting the Multi-Processor SoC Design Flow 12:00 pm - 12:45 pm

4:30 to 6:00

| 4:30 pm - 6:00 pm | Rm: 58 | Rm: 59 | Rm: 60 | Rm: 61 | Rm: 62 | | Physical Design Beyond the Die
|-----------------|--------|--------|--------|--------|--------|--------------------------|
| Advanced Methods for Interconnect Extraction, Clocks and Reliability | PANEL: DFM: Where’s the Proof of Value? | Bounded Model Checking and Equivalence Verification | Test Response Compaction and ATPG | Placement | | Physical Design Beyond the Die
| Advanced Methods for Interconnect Extraction, Clocks and Reliability | PANEL: DFM: Where’s the Proof of Value? | Bounded Model Checking and Equivalence Verification | Test Response Compaction and ATPG | Placement | | Physical Design Beyond the Die

Hands-on Tutorials & Full-Day Tutorials

Monday, July 24 | Tuesday, July 25 | Wednesday, July 26 | Thursday, July 27 | Friday, July 28

9:00 to 12:00


2:00 to 5:00


Keynote, Tuesday, July 25 • 8:30 am - 10:15 am • Gateway Ballroom

Structuring Process and Design for Future Mobile Communication Devices

Hans Stork
Senior Vice President and Chief Technology Officer, Texas Instruments Inc.

The density and speed of sub-50nm CMOS technology enables the design of multifunctional SoCs for highly integrated, mobile communication devices. At the same time, process variations, power issues, and complexity of scope are challenging even the most advanced simulation capabilities. The growing design complexity is addressed by rapidly improving modeling of systematic manufacturing variations and design sensitivities.

Physical design is becoming more structured to allow for process optimized design rules and efficient automation. While challenges remain in the scaling and optimization of analog and I/O functions, highly integrated, mobile communication devices are a major driving force for continued economies of scaling.

Keynote, Thursday, July 27 • 12:45 pm - 1:45 pm • Gateway Ballroom

The Challenges of Convergence

Alessandro Cremonesi
Strategy and System Technology Group Vice-President & Advanced System Technology General Manager, STMicroelectronics

In this talk, the trends of the major application fields in the era of convergence are analyzed. The emphasis is on the challenges the semiconductor industry will have to face to address these new trends and opportunities. Applications are becoming increasingly complex and the need to guarantee the coexistence of a wider range of applications on a single chip makes system-level integration a real challenge. Most of the applications will run on platforms designed for portable products, pushing the industry to emphasize power budgets for new designs, both at silicon and at system level. From the platform architecture perspective, multiprocessing is already a reality, and the industry will have to find new paradigms to handle the increased complexity at the system, embedded software, and at the silicon implementation levels. This talk concludes with future perspectives from the viewpoint of ST’s advanced research organization.
**Management Day - Tuesday, July 25**

DAC's Management Day is where the technology and the business of IC and system design intersect. This full day of sessions is designed for managers and executives of semiconductor, communications and consumer electronics companies. Participants meet, interact with, and learn from peers who are facing the issues of how to make the right business and technology decisions in the dynamic world of electronic design. The Management Day $75 registration fee includes the 11th Annual EDA Business Forum luncheon, and the wrap-up cocktail party. Sessions include:

**General Session Keynote Address - Structuring Process and Design for Future Mobile Communication Devices**
Hans Stork, Senior Vice President and Chief Technology Officer, Texas Instruments Inc.

**Management Day Session 1: PANEL: How Will the Fabless Model Survive?**

**Management Day Session 100: Decision-Making for Complex SoCs in Consumer Electronic Products**

**Session Chair:** Ron Wilson, EDN

**Qualcomm Lesson Learned at the 65nm Node** - Charlie Matar, Riko Radojicic, Qualcomm CDMA Technologies

**Low Power Challenges in Wireless ICs** - Rene Delgado, Freescale

**Consumer Electronics Development Tradeoffs in the High-Tech Startup** - Dwan Fitzgerald, JamTech

**Architecture Planning Criteria for a System-in-a-Package Portable Multimedia Platform** - Mario Manninger, AMS

**Management Day Session 150: Tradeoffs and Choices for Emerging SoCs in High-End Applications**

**Session Chair:** Nic Mokhoff, EE Times

**Assessing Process Nodes and IP for SoC Development** - Ken Wagner, PMC Sierra

**Open-IP: How Your Selection of IP Drives Your ASIC Success** - Rajesh Shah, Open Silicon

**Yield, Manufacturability and Test: The Criteria to judge the Right Design Investment** - Rajesh Galvanche, Intel Corp.

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### MEGA Sessions: Multimedia, Entertainment, and Games

For 2006, the 43rd DAC is presenting MEGA Sessions: the design challenges and design technology requirements for creating advanced multimedia, entertainment, and game (MEGAs) products. The MEGA theme is woven into both keynote addresses and is a full-track of sessions on July 26th. The presentations include a special session highlighting the best papers from ISSCC in the multimedia area, with presentations from Renasas/DoCoMo, MediaTek, National Chiiao-Tung University, and Samsung, and continues with two complementary events: an invited session on CAD challenges for leading-edge multimedia designs, followed by a panel on design challenges for next generation multimedia, entertainment, and game platforms. These two sessions include experts from STMicroelectronics, IBM, nVidia, PixelWorks, Qualcomm, and Intel. The sessions conclude with four papers on power-constrained design for multimedia.

Complementing the MEGA sessions will be Pavilion Panels, taking place throughout the week on the exhibit floor. These include presentations on Inside the iPod, technology requirements for 3-D graphics in feature films, and a discussion on the Xbox 360 and getting chips into high-volume products.

All full-conference attendees are invited to attend the MEGA technical sessions, and all registrants are invited to attend the DAC Pavilion sessions in Booth 2228 on the exhibit floor.

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### DAC Pavilion on the Exhibit Floor Booth #2228

DAC has an exciting line-up of panels and presentations in the DAC Pavilion on the exhibit floor. The DAC Pavilion sessions are open to all attendees and feature provocative technical, business, and strategy discussions.

### DAC Pavilion
date: Mon, Jul 24

times: 9:30 am - 10:30 am

**Dataquest at DAC with Gary Smith**

**What Will it Take to Break the $4B Revenue Cap?**

**Ask the CTO**

**Inside the iPod**

**Mass Book Signing**

**The Do's and Don'ts of Verification**

**Design Team Collaboration: Tools Challenge or Organization Responsibility**

**Exporting in the Hallway**

**Shattering the Glass Ceiling**

**A Decade of Growth for Women**

**The Fabless Model: Is DFM Our Salvation or Demise?**

**Student Design Contest Award Presentations**

**The Xbox 360 Uncovered: Doing What it Takes to get Chips into High-Volume Consumer Electronics**

**AMD/DreamWorks - Fueling Technology Innovation**

**ESL Software Engineers are from Pluto and Hardware**

**Engineers are from Mercury: Can ESL Bridge the Gap**

**The Accidental Pirate**

**Developing Consumer SoCs - IP and Automation or Sticks and Duct Tape?**

**The Next Ubiquitous Connectivity Standard?**

**Troubleshooting the Multi-Processor SoC Design Flow**

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### 43rd DAC Workshops

**UML for SoC Design**

Sunday, July 23, 9:00 am - 6:00 pm $100 (member), $150 (non-member)

**Introduction to Chips and EDA**

Monday, July 24, 10:00 am - 12:00 pm $10

**Second Integrated Design System Workshop**

Monday, July 24, 12:00 pm - 5:00 pm $50 (member), $75 (non-member)

**Workshop for Women in Design Automation - Working the 80/20 Rule for Success - Focusing in on What Matters**

Monday, July 24, 9:00 am - 12:45 pm $50 (member), $75 (non-member)
Exhibition

The 43rd DAC Exhibition is located in the North (Booths 3000-4367) and in the South (Booths 101-2323) Halls of The Moscone Center. The DAC Exhibit floor is bursting with over 240 vendors offering products for all phases of the electronic design process including EDA tools, IP cores, embedded system and system-level tools, silicon vendors, and a host of new design-for-manufacturing companies. The DAC show floor features its unique exhibit booth and private suite combination, which gives you the freedom to deeply explore the products on the show floor and find a solution that is right for your design. Visit the DAC exhibition and find out how you can improve performance and shorten the time-to-market on your next product.

Attend Free Monday, July 24, 2006 Register today on-line. For more information call 800-321-4573 or email register@dac.com.

Exhibit Hours

Monday-Wednesday, July 24-26
9:00 am - 6:00 pm
Thursday, July 27
9:00 am - 1:00 pm

Exhibiting Companies (as of May 8, 2006)

Accelicon Technologies, Inc.
ACE Associated Compiler Experts bv
Advanced Circuit Engineers, LLC
Advantest Technology Solutions Corp.
Agilent Technologies
Aldex, Inc.
Algotronix Ltd.
Altos Design Automation
Analog Bits Inc.
Anasif Technology, Inc.
Anchor Semiconductor, Inc.
Ansoft Corp.
Apache Design Solutions, Inc.
Applied Simulation Technology
Applied Wave Research, Inc.
Appro International, Inc.
Aprio Technologies, Inc.
ArchPro Design Automation Inc.
ARM
Arteris
Artwork Conversion Software, Inc. asicNorth, Inc.
ASSET InterTech, Inc.
Athena Design Systems
Atrenta, Inc.
austriamicrosystems USA, Inc.
Aventant, Inc.
Avery Design Systems, Inc.
Axiom Design Automation
Azura, Inc.
Barth Electronics, Inc.
Beach Solutions
Berkeley Design Automation, Inc.
Blaze DFM, Inc.
Blue Pearl Software
Bluespec, Inc.
Brion Technologies
BullDAST s.r.l.
Cadence Design Systems, Inc.
Calypso Design Systems, Inc.
Cambridge Consultants Ltd.
Carbon Design Systems, Inc.
CAST, Inc.
CebaTech, Inc.
Celoxica
Certess Inc.
Certicon Corp.
ChipEDA
Chip Estimate Corporation
ChipVision Design Systems AG
Clear Shape Technologies, Inc.
ClioSoft, Inc.
CHP
CoFluent Design
Cologne Chip AG
CommandCAD, Inc.
Concept Engineering GmbH
Coupling Wave Solutions
CoWare, Inc.
CRC Press - Taylor & Francis Group LLC
CriticalBlue
DAC Pavilion
DAFCA, Inc.
Dataram
DATE ’07
DaFacTo Technologies
Denali Software, Inc.
Design and Reuse
Dini Group La Jolla, Inc. (The)
Dolphin Integration
Doulos
Dynalith Systems Co., Ltd.
EDA Cafe-IB System
EDA Tech Forum Journal
EDXACT
elfchips Inc.
Elsevier
EMA Design Automation, Inc.
Emerging Memory Technologies Inc.
Entarsys Design, Inc.
Evory
EVE
Extension Media / Chip Design Magazine
Extreme DA
Fenix Design Automation B.V.
Fintronic USA, Inc.
FishTail Design Automation
Flomerics, Inc.
Forte Design Systems
Fortelink Inc.
FTL System, Inc.
Gaiaer Research AB
GDA Technologies, Inc.
Genesys Testware, Inc.
Gidel Ltd.
Golden Gate Technology, Inc.
Graduation Design Automation
Handshake Solutions
HARDI Electronics AB
Helic S.A.
Hewlett-Packard Co.
Hometown Innovation Automation Inc.
IBM Corp.
IC Manage
IEEE Spectrum
Imperas, Inc.
Incenta Design Systems, Inc.
INFINISCALE
Ingot Systems
Innovative Silicon Inc.
Institute of Engineering and Technology (The)
Intel Corp.
Intelliltech Corp.
InterDesign Technologies, Inc.
InternetCAD.com, Inc.
Interra Systems, Inc.
Jasper Design Automation, Inc.
Javelin Design Automation, Inc.
JEDA Technologies
KEI / IP SoC Support Center
Kilopass Technology, Inc.
Kimotion Technologies Inc.
KL-A-Tencor Corp.
Knowlent Corp.
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<tr>
<td>Member ACM or IEEE</td>
<td>$360</td>
<td>$450</td>
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<tr>
<td>Non-Member</td>
<td>$470</td>
<td>$585</td>
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<tr>
<td>Students with ACM or IEEE membership</td>
<td>$165</td>
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<tr>
<td>One-Day Only (Tues., Wed., Thur.)</td>
<td>$240</td>
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<td>Two-Day Only (Tues., Wed., Thur.)</td>
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<th>EXHIBIT-ONLY</th>
<th>Received by</th>
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<tr>
<td>Free Monday</td>
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<tr>
<td>Exhibit-Only (access all days)</td>
<td>$60</td>
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<th>TUTORIALS</th>
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<tr>
<td>Full-Day Tutorials</td>
<td>$290 (per tutorial)</td>
<td>$360 (per tutorial)</td>
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<td>Hands-on Tutorials</td>
<td>$75 (per tutorial)</td>
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<th>WORKSHOPS</th>
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<tr>
<td>Integrated Design Systems Workshop</td>
<td>$50 (member) - $75 (non-member)</td>
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<td>Introduction to Chips and EDA for a Non-Technical Audience</td>
<td>$10</td>
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<td>UML for SoC Design</td>
<td>$100 (member) - $150 (non-member)</td>
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<td>Workshop for Women in Design Automation</td>
<td>Career Coaching - Working the 80/20 Rule for Success</td>
<td>$50 (member) - $75 (non-member)</td>
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<td>Management Day Sessions</td>
<td>$75</td>
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