

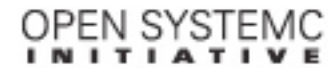


**North American SystemC  
User's Group (NASCUG)  
Inaugural Meeting**

**DAC 2004**

**San Diego, CA**

# Thanks to our Sponsors



NASCUG organized by:



# Inaugural NASCUG Meeting

- **2:00 - 5:10 Meeting**
- **Prize Drawing and Book Giveaway**
  - Survey Form is Entry
  - \$100 AMEX Gift Certificate
  - SystemC Books
- **5:10 Reception and Suppliers Showcase**
  - Beverages

# Agenda

- 2:00 – 2:10**      ***“NASCUG Introduction”***  
                         Jack Donovan, Chairman, NASCUG
- 2:10 – 2:30**      ***“SystemC 2.1 Nuts & Bolts“***  
                         David Black, CTO, Eklectic Ally
- 2:30 – 2:50**      ***“Hardware-Software Co-Simulation with SystemC”***  
                         Richard Ruigrok, Qualcomm Incorporated
- 2:50 – 3:10**      ***“SystemC Enabling Embedded System Design at Sandia”***  
                         Brian McMurtrey & Make De Spain  
                         Sandia National Laboratories
- 3:10 – 3:25**      ***“OCCN – On-Chip-Communication-Network“***  
                         G. Maruccia, M. Coppola, R. Locatelli, L. PIERALISI  
                         Advanced System Technology, ST Microelectronics
- 3:25 – 3:35**      **Break**

# Agenda

- 3:35 – 3:55**      ***“Passive TLM”***  
                            **Zafer Kadi & Paul Klein, Intel Corporation**
- 3:55 – 4:10**      ***“Assertion and Model Checking of SystemC”***  
                            **Ali Habibi & Sofiène Tahar, Concordia University**
- 4:10 - 4:25**      ***“Operating System for Switched Analog  
Mixed-Signal Circuits”***  
                            **Bakr Younis & Joanne DeGroat  
Ohio State University**
- 4:25 - 4:45**      ***“Verilator and SystemPerl”***  
                            **Wilson Snyder, Sun Microsystems**
- 4:45 – 5:05**      ***“Towards a SystemC Transaction Level  
Modeling Standard”***  
                            **Stuart Swan, Cadence Design Systems, Inc.**
- 5:05 – 5:10**      **Drawing for \$100 AMEX certificate + SystemC books**

# NASCUG MISSION

- **Advance the Adoption of SystemC as “the” open source standard for ESL in North America**
  - Showcase successful applications
  - Modeled after International User’s Groups
  - In concert with OSCI initiatives
- **Driven by the User Community**
  - Foster interaction and support of user community
- **Foster International Collaboration**

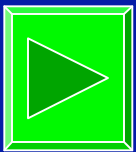
# NASCUG OPPORTUNITIES

- **Attend next meeting**
  - Tentatively Planned for GSPx
    - ◆ September 27-30, 2004, Santa Clara, CA
  - Check [www.nascug.org](http://www.nascug.org) for details
- **Contribute to Next Meeting**
  - Presentation
  - Review of Presentations
  - Coordination
  - Corporate Support
- **Serve on NASCUG steering committee**
  - “Birds of Feather” Session
  - Wed 6:30-8:00, Check Wed. afternoon for room number



# *SystemC 2.1 Preview*

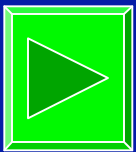
**David Black**  
**CTO, Eklectic Ally**





# *Hardware-Software Co-Simulation with SystemC*

**Richard Ruigrok  
Qualcomm Incorporated**



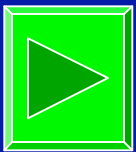


***SystemC Enabling  
Embedded System Design  
at Sandia***

**Brian McMurtrey**

**Make De Spain**

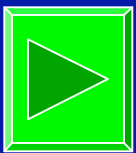
**Sandia National Laboratories**





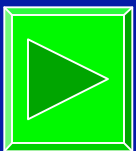
# *Passive TLM*

**Zafer Kadi  
Paul Klein  
Intel Corporation**



SYSTEM C™

***BREAK***

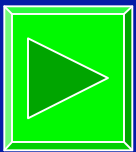




***OCCN***  
***On-Chip-Communication-Network***



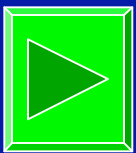
**G. Maruccia, M. Coppola,  
R. Locatelli, L. Pieralisi  
ST Microelectronics**





# *Assertion and Model Checking of SystemC*

Ali Habibi & Sofiène Tahar  
Concordia University

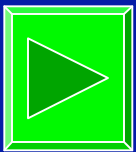


The logo for SYSTEM C features the text "SYSTEM C" in a white, sans-serif font, centered within a dark blue, semi-circular shape. This shape is positioned above a horizontal band of thin, parallel white lines that spans the width of the slide. The background of the slide is split horizontally: the top half is a solid yellow-green color, and the bottom half is a solid dark blue color.

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***Operating System for  
Switched Analog  
Mixed-Signal Circuits***

**Bakr Younis  
Joanne DeGroat  
Ohio State University**

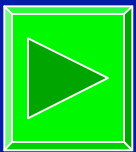


The logo for SYSTEM C features the text "SYSTEM C" in a white, sans-serif font, enclosed within a white, stylized oval shape. This logo is positioned at the top center of the slide, overlapping the yellow and blue background sections.

SYSTEM C™

# *Verilator and SystemPerl*

**Wilson Snyder  
Sun Microsystems**

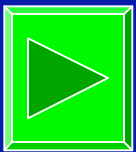


The logo for SystemC, featuring the word "SYSTEMC" in a white, sans-serif font inside a dark blue oval shape. The oval is partially obscured by a horizontal band of thin, parallel lines that span the width of the slide.

SYSTEMC™

***Towards a SystemC  
Transaction Level  
Modeling Standard***

**Stuart Swan  
Cadence Design  
Systems, Inc.**



# Inaugural NASCUG Meeting

- Reception and Suppliers Showcase featuring:

