# CECS eNEWS

*Center for Embedded Computer Systems, University of California, Irvine*

**Volume 2, Issue 4**
**October 2002**

**Highlights**

- '02 SCESS
- Chancellor Cicerone, UCI
- Dr. Harlow, SRC

# SPECIAL EDITION

## 2002 Southern California Embedded Systems Symposium

## September 10, 2002

This special edition of CECS *eNEWS* is entirely devoted to pictorially highlighting the 2002 Southern California Embedded Systems Symposium ('02 SCESS) held on September 10, 2002 at the Jazz Semiconductor Auditorium, Newport Beach, CA. If you desire to view any presentation slides, please visit the CECS web site: *www.cecs.uci.edu/events1*.

We will resume our standard format with the next issue of *eNEWS* scheduled for January 2003. Hope you all enjoy this pictorial review of '02 SCESS.



'02 SCESS Greeting Slide

UCI Chancellor **Ralph J. Cicerone** addressing '02 SCESS

## TECHNICAL PROGRAM



Professor **Tony Givargis** presenting "*Optimal Indexing for Cache Miss Reduction in Embedded Systems*"



Professor **Frank Vahid** presenting "*System-on-Chip Platform Tuning for Embedded Systems*"

presentation slides available at: *www.cecs.uci.edu/events1*

## TECHNICAL PROGRAM



Professor **Jean-Luc Gaudiot** presenting "*Area and Clock Effects on Simultaneous MultiThreading and Chip MultiProcessing Processors*"



Professor **Nikil Dutt** presenting "*Architectural Exploration of Programmable Core Based Designs*"



Professor **Pai Chou** presenting "*Embedded Instrumentation Co-Design*"



Professor **Rajesh Gupta** presenting "*Power Management in Embedded Applications and Software Systems*"

presentation slides available at: *www.cecs.uci.edu/events1*

LUNCH BREAK







Dr. **Justin Harlow**, SRC, presenting "*SRC Programs and Plans in Circuits and Systems Design*"

presentation slides available at: *www.cecs.uci.edu/events1*

PANEL DISCUSSION



Panel discussing "*Future Engineering Challenges in Embedded Systems*"

Professor **Daniel Gajski**, Moderator
**Mohamed Ben Romdhane**
**Volkan Ozguz**
**Ronald Quagliara**
Dr. **Edward Staton**
**John Walley**

## TECHNICAL PROGRAM



Professor **Alex Orailoglu** presenting "*Novel Test Approaches for Aggressive SoC Designs*" and "*Customizable Embedded Processor Architectures for Low Power and High Performance*"



Professor **Wolfgang Nebel** presenting "*SoC Power Estimation and Optimization*"



Professor **Sujit Dey** presenting "*Design Methodologies and Tools for Battery-Aware Mobile Embedded Systems*"

**'02 SCESS THANKS**

A *BIG thank you* to all the professors affiliated with CECS whose presentations made the technical program outstanding.  Also, a sincere thank you to Chancellor Ralph Cicerone, UCI and Dr. Justin Harlow, SRC for their special addresses.  The efforts of all these presenters made the 2002 Southern California Embedded Systems Symposium a tremendous technology transfer success!

presentation slides available at: *www.cecs.uci.edu/events1*

# CECS—Solving Tomorrow's Problems!

## Center for Embedded Computer Systems, University of California, Irvine

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*CECS Mission Statement:*

*To conduct leading-edge interdisciplinary research in embedded systems, emphasizing automotive, communications, and medical applications, and to promote technology and knowledge transfer for the benefit of the individual and society.*

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## '02 SCESS = Success

In May of this year, Dr. Frank Micheletti and Ismail Eldumiati of Conexant Systems, Inc. and Professor Daniel Gajski and myself were having lunch at the UCI University Club.  We were discussing technology transfer issues when the proposal for a symposium was suggested.  Thus was born the 2002 Southern California Embedded Systems Symposium ('02 SCESS).

CECS wants to *thank* Conexant Systems, Inc. for financially supporting '02 SCESS and particularly, Frank Micheletti, for having the bold confidence in CECS to promote and manage the technical aspects of the symposium and his dedicated assistance.

Our initial plans and goals for success were 50 attendees.  We had 190 registered attendees with 135 actual attendees; that large differential was probably due to no symposium registration fee.  This level of participation by the local technical community far exceeded our wildest dreams.

CECS wants to offer a very BIG *thank you* to all the CECS professors who volunteered to present papers; your individual efforts were paramount in the technical success of '02 SCESS.

CECS expresses sincere *thanks* to UCI Chancellor Ralph Cicerone for his opening symposium address and Dr. Justin Harlow of the SRC for his luncheon address.  Your attendance and presentations made '02 SCESS  extra special.

CECS wants to *thank* the industrial executives who comprised the technical panel for their participation in offering visionary comments concerning the future engineering challenges in embedded systems.

CECS expresses appreciative *thanks* to the '02 SCESS sponsors: Conexant Systems, Inc.,  Semiconductor Research Corporation, and the Orange County Computer Society of the IEEE.

Well, where do we go from here?  I sincerely hope that CECS will offer '03 SCESS in early September 2003.  CECS will commit to organizing another exciting and visionary symposium on embedded computer systems.  But CECS will need local industrial sponsors to make '03 SCESS a success.  Can we count on your sponsorship and attendance next year?

                              Bob Larsen