



**IEEE SOLID-STATE
CIRCUITS SOCIETY**
Where ICs are in IEEE

President's Message



The Solid-State Circuits Society is pleased to announce the launch of their new monthly newsletter. We will be sending you information about upcoming conferences, calls for papers, webinars, Distinguished Lecture tours, etc. so you can stay up to date on all the SSCS offerings that are available to you. You can also let us know what you want to see with the feedback link at the bottom of this letter. We hope this newsletter provides useful information about all that is going on in the Society. Please let us know.

Education

Upcoming Distinguished Lecturer Tours

September 23	SSCS Macedonia - Jan van der Spiegel	Skopje, Macedonia
September 25	SSCS United Kingdom and Ireland - Francesco Svelto	Tyndall National Institute, Cork, Ireland
October 13	SSCS Atlanta - Eric Klumperink	Atlanta, Georgia
October 16	SSCS Germany - Wilm Dehaene and Marian Verhelst	RWTH Aachen University, Germany
October 26	SSCS Eastern Canada - Eric Klumperink	Canada
November 13	SSCS Thailand - SeongHwan Cho	Chulalongkorn University, Bangkok, Thailand
November 16	SSCS Singapore - Willy Sansen	Nanyang Technological University, Singapore

For more information, [CLICK HERE.](#)

Upcoming Webinar

A webinar on the topic of Wideband Continuous-Time Delta-Sigma Modulators will take place on September 30th at 12 PM US Eastern Time. The webinar, entitled "Wideband Continuous-Time Delta-Sigma Modulators" will be presented by Professor Lucien Breems. Professor Breems is at the Eindhoven University of Technology, The Netherlands. Please follow the link below to register for the webinar. This webinar is free and open to all SSCS members.



[REGISTER HERE](#)

Mentoring Opportunities

SSCS strives to offer guidance and support to their young members. We invite SSCS members to volunteer to be mentors for younger SSCS members. This would be a very valuable experience for young members' careers. This is a great opportunity for young members to learn about the benefits of SSCS membership. The main topics that can be discussed are entrepreneurship, career advice, publication advice, etc. If you are interested in being a mentor, please email Emre Ayranci at emrea@ieee.org.

The next event will be held at ISSCC in San Francisco on Tuesday, February 2nd. For more information, [CLICK HERE](#).

SSCS Magazine on Collabratec



IEEE is excited to announce a new suite of online tools where technology professionals can network, collaborate, and create - all in one central hub. When inside IEEE Collabratec, search for the [Solid-State Circuits Magazine Community](#). To get started, [click here](#).

Conferences

Upcoming

[2015 IEEE Custom Integrated Circuits Conference - CICC 2015](#)

September 28 - September 30, 2015

San Jose, CA

[2015 IEEE Compound Semiconductor Integrated Circuit Symposium \(CSICS\)](#)

October 11 - October 14, 2015

New Orleans, LA

[2015 IEEE Biomedical Circuits and Systems](#)

October 22 - October 24, 2015

Conference (BioCAS)

Atlanta, GA

2015 IEEE Bipolar/BiCMOS Circuits and Technology Meeting - BCTM

October 26, 2015 - October 28, 2015

Boston, MA

2015 IEEE/ACM International Conference on Computer-Aided Design (ICCAD)

November 2 - November 6, 2015

Austin, TX

2015 IEEE Asian Solid-State Circuits Conference (A-SSCC)

November 9 - November 11, 2015

Xiamen City, China

2016 IEEE International Solid-State Circuits Conference (ISSCC)

January 31 - February 4, 2016

San Francisco, CA



Call for Papers

2016 International Symposium on VLSI Design, Automation and Test

Taiwan

Paper Submission Deadline: October 16, 2015

IEEE Radio Frequency Integrated Circuits

Symposium

San Francisco, CA

Paper Submission Deadline: January 8, 2016

2016 IEEE Symposium on VLSI Circuits

Honolulu, HI

Paper Submission Deadline: January 25, 2016

Publications

Top Notch Publications

SSCS proudly sponsors four publications as complimentary member benefits:

The IEEE Journal of Solid-State Circuits (JSSC) is historically the most downloaded technical journal in IEEE Xplore. The IEEE Solid-State Circuits Magazine, a tutorial-level quarterly featuring pioneering breakthroughs, trending topics, and reports about IC community leaders.

Our electronic-only publications - RFIC Virtual Journal is a compilation of RFIC papers within the publications library of the IEEE. The IEEE Design & Test Magazine offers models, methods and tools for microelectronic systems. Our newest publication, the IEEE Journal on Exploratory Solid-State Computational Devices and Circuits (JxCDC) is an open-access

News



Miles A. Copeland wins 2016 IEEE Donald O. Pederson Award

The recipient of the 2016 IEEE Donald O. Pederson Award in Solid-State Circuits is Miles A. Copeland for contributions to the design and application of switched-capacitor and RF signal processing circuits.

Miles A. Copeland's 31-year career is marked by the strength of his achievements as a university teacher, inventor, researcher, and mentor. His innovative approach to industry-university collaboration supported the rapid development of the telecommunication and microelectronics industries in Canada. He co-authored, with Northern Telecom (Nortel), a groundbreaking paper on the use of switched capacitors as resistor equivalents, which demonstrated that filter RC time constants on-chip could depend on the ratio of capacitor sizes. This results in much better integration, repeatability, and accuracy when implementing analog filters on-chip than is possible with ordinary resistors. The "filter codec" developed subsequently at Nortel used switched capacitor filtering. With this innovation the company became an early leader in the shift to fully electronic switching networks. Other research work done by Miles's graduate students included much cited studies of the matching of on-chip capacitors and transistors, and how to design on-chip transformers and inductors in CMOS/BiCMOS technologies. This supported the design of fully integrated on-chip radios at GHz frequencies. An IEEE Fellow, Dr. Copeland is a Professor Emeritus with Carleton University, Ottawa, Ontario, Canada.

Kolkata Chapter

We are proud to announce the addition of a new chapter to SSCS. The Kolkata Chapter was approved to form a chapter of SSCS in August 2015. Professor Chandan Sarkar is the Chapter Chair.

Predoctoral Achievement Award 2015-2016

For a small number of promising graduate students, IEEE-SSCS Predoctoral Achievement Awards provide a \$1000 honorarium and reimbursement for travel expenses (within certain limits) to ISSCC, the Society's flagship conference, which will take place on 31 January - 4 February 2016. Applicants must be members of IEEE and the Solid-State Circuits Society and have completed at least one year of study in a PhD program in the area of solid-state circuits. Awards are made on the basis of academic record and promise, quality of publications, and a graduate study program well matched to the charter of SSCS. Prior winners of the Predoctoral Achievement Award are not eligible. No more than two Awards will be granted in a given year to

students of one Principal Advisor.

For more information and application instructions, please [CLICK HERE](#).

Seeking News

Please send any chapter news or happenings (Distinguished Lecturer visits, events hosted by your SSCS chapter, awards received by members, etc) to Abira Sengupta, SSCS Magazine News Editor for inclusion in an upcoming issue of the magazine. Please email - Abira.Sengupta@ieee.org. We look forward to receiving your news articles!

For more chapter news, check out the Winter 2016 issue of the Solid-State Circuits Magazine.

Upcoming

Membership Renewal

When you renew your membership this year, you'll see a special offer to join the Circuits and Systems Society (CAS) for \$5. Click that link or add special code, **YFISIO**, at checkout and you can join our sister society in Division 1 at deeply discounted pricing.

Reading Made Easy

In the next couple of months, we'll be rolling out a new member benefit! Remember those old piles of journals back in the 80's? You'll soon be able to read past versions of JSSC on your tablet. Stay turned for more details!

Feedback

Let us know what you think! Please [click here](#) to send us your comments about the newsletter, what you'd like to see included each month, or any other comments.

[CLICK HERE TO VISIT OUR WEBSITE](#)



