



# A-SSCC

IEEE Asian Solid-State Circuits Conference



# Call for Participation

The **IEEE A-SSCC 2013 (Asian Solid-State Circuits Conference)** is an international forum for presenting the most updated and advanced chips and circuit designs in solid-state and semiconductor fields. IEEE Solid-State Circuits Society (SSCS) sponsors only four conferences: ISSCC, Symposium on VLSI Circuits, CICC and Asian Solid-State Circuits Conference (A-SSCC). A-SSCC is the newest. Thus, A-SSCC is considered as one of the most premium conferences in the world in VLSI design field. The conference is co-organized locally by IEEE SSCS Singapore Chapter and the Singapore Semiconductor Industry Association (SSIA).

In the past, A-SSCC has been held only in four Asian countries, namely, Taiwan, China, Korea and Japan since 2005. This year, A-SSCC 2013 will be held in Singapore for the first time at Resorts World Convention Centre™. The event will be held from **11 – 13 November 2013**, with the first day focused on tutorials followed by a two-day conference.

This year's conference theme is "Integrated Circuits and Systems for a Mobile Society" which focuses on major topics like:

- Analog Circuits & Systems
- Data Converters
- Digital Circuits & Systems
- SoC & Signal Processing Systems
- RF
- Wireline & Mixed-Signal Circuits
- Emerging Technologies and Applications
- Memory

We have an impressive line up of key speakers this year and they are:

• **Mr. Teruo Hirayama**

Senior Vice President & Corporate Executive  
SONY Corporation, Japan



• **Dr. Hyun-Kyu Yu**

Senior Vice President  
Electronics and Telecommunications Research  
Institute (ETRI), Korea



• **Professor Dim-Lee Kwong**

Executive Director  
Institute of Microelectronics (IME), Singapore



• **Mr. Rajesh Nair**

Vice President of Technology Development  
GLOBALFOUNDRIES, Singapore



We are expecting over 300 attendees from all over Asia and various parts of the world. So please register now to secure your seats.

Yours sincerely

**A-SSCC 2013 Organizing Committee**

**November 11, 2013 (Monday)**

Time	Room A	Room B	Foyer
09:00 - 10:20	Tutorial 1 CMOS Image Sensors and Applications to 3D Range Finding Makoto Ikeda, U. of Tokyo, Japan	Tutorial 2 Frequency Synthesizers: From Basics to Advanced Bundle, Woogeun Rhee, Tsinghua U., China	On-Site Registration (09:00 - 18:00)
10:20 - 10:40	Break		
10:40 - 12:00	Tutorial 1 CMOS Image Sensors and Applications to 3D Range Finding, Makoto Ikeda, U. of Tokyo, Japan	Tutorial 2 Frequency Synthesizers: From Basics to Advanced Bundle, Woogeun Rhee, Tsinghua U., China	
12:00 - 13:00	Lunch		
13:00 - 14:20	Tutorial 3 Energy-Efficient Health Monitoring Sensors using Body Area Network, Jerald Yoo, MIST, UAE	Tutorial 4 High-Speed and Energy Efficient SAR-Type ADC Design, Seng-Pan U (Ben), U. of Macau, Macau	
14:20 - 14:40	Break		
14:40 - 16:00	Tutorial 3 Energy-Efficient Health Monitoring Sensors using Body Area Network, Jerald Yoo, MIST, UAE	Tutorial 4 High-Speed and Energy Efficient SAR-Type ADC Design, Seng-Pan U (Ben), U. of Macau, Macau	
16:00 - 17:00	SDC Exhibits		
18:00 - 20:00	Welcome Reception		

**November 12, 2013 (Tuesday)**

Time	Room 1	Room 2	Room 3	Room 4	Room 5
8:30-8:50	Opening				
8:50-9:35	Session 1	"Future Mobile Society Beyond Moore's Law" Prof. Dim-Lee Kwong, Exec Dir., IME, Singapore			
9:40-10:25		"The Evolution of CMOS Image Sensors" Mr. Teruo Hirayama, SVP & Corporate Executive, SONY, Japan			
10:25-10:55	Break / SDC				
10:55-12:35	Session 2 LESoC	Session 3 Advances IO&Power			
12:35-13:35	Lunch				
13:35-15:45	Session 4 DC-DC	Session 5 HiRes DC	Session 6 LP&VT Digital	Session 7 ULP Sen&Img	Session 8 DECProc
15:45-16:30	Break / SDC				
16:30-18:30	Session 9 Panel Discussion: "From Sensor to Cloud; What is a Role of Integrated Circuits?"				
18:30-19:00	Break				
19:00-21:00	Banquet (Compass East 1 Ballroom )				

**November 13, 2013 (Wednesday)**

Time	Room 1	Room 2	Room 3	Room 4	Room 5
8:30-9:15	Session 10	"SW-SoC Convergence Platform for Next Generation Smart Devices Design" Dr. Hyunkyu Yu, SVP, ETRI, Korea			
9:20-10:05		"Collaborative Innovation for Future Mobile Applications" Mr. Rajesh Nair, VP of Technology Development, GLOBALFOUNDRIES, Singapore			
10:05-10:20	Break				
10:20-12:25	Session 11 A-Sen&Comp	Session 12 RF SoC		Session 13 WL Transceivers	Session 14 Adv Memory
12:25-13:25	Lunch				
13:25-15:30	Session 15 W-Power & Ene-Harv	Session 16 Nyq-rate ADC	Session 17 Mul & SoCs	Session 18 RF Blk&Sys	Session 19 Clocking & MS
15:30-15:50	Break				
15:50-17:55	Session 20 Fil & Amp	Session 21 DSM	Session 22 mm Wave Sys&Blk	Session 23 CT for E-App	Open

**Price List**

Conference				
Category	Type	Early Bird Rates (On & before 7 Oct 2013. Author registration deadline: 20 Sept 2013)	Standard Rates (after 7 Oct 2013)	On-site Rates
IEEE Regular#	Member	S\$700	S\$830	S\$960
	Non-member	S\$890	S\$1000	S\$1100
IEEE Life / IEEE Students##	Member	S\$320	S\$380	S\$450
	Non-member	S\$380	S\$450	S\$510
Tutorials*				
Regular	1 session		S\$130	
	2 sessions		S\$260	
	Full day (4 sessions)		S\$380	
Students	1 session		S\$65	
	2 sessions		S\$130	
	Full day (4 sessions)		S\$190	
Additional Purchases				
Additional Proceedings	Hardcopy (purchase online)		S\$30	
	USB (purchase online and on-site)		S\$30	
Conference Banquet Ticket (purchase online and on-site)			S\$150	

## The Conference registration fee includes:

**#IEEE Member/Non-Member Full Registration** includes:

- ✓ Admission of one person to all conference sessions
- ✓ One set of conference USB proceedings
- ✓ One Conference Program Booklet/Guide
- ✓ One conference Banquet Ticket

**##Student/IEEE Life Member Reduced Registration** includes:

- ✓ Admission of one person to all conference sessions
- ✓ One set of conference USB proceedings
- ✓ One Conference Program Booklet/Guide

**\*Tutorial Registration fees** includes:

- ✓ The Tutorial notes of the respective session(s) of your selection(s).
- ✓ Admission of one person to your selected session(s)
- ✓ Lunch is included only for Full days (4 sessions). Additional lunch coupons can be purchased at S\$20/- during Online registration or on-site at registration counter.

### Payment Details

- The conference will accept Visa, Master cards through PayPal, Bank Draft (Overseas), Cheque (Local).
- Bank Remittance for the registration fees. Contact Conference Secretariat ([asscc2013.secretariat@atenga.sg](mailto:asscc2013.secretariat@atenga.sg)) for more information.
- Registration will only be confirmed upon receipt of payment.

### IMPORTANT NOTES:

- Papers which are not presented during the conference will NOT be included in the IEEEExplore databases.

### Cancellation and Refunds Policies

- Requests for cancellations received on or before 30 September 2013 will be entitled to 50% refund of the registration fee paid. Cancellations received from 30 September 2013 onwards will not be entitled to any refunds.
- Request for refunds are to be made in writing to the Conference Finance Chair at [elehch@nus.edu.sg](mailto:elehch@nus.edu.sg)

For more information and registration, please visit the event website at <http://www.a-sscc2013.org>

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