



**Bridge to the Sustainable Growth  
with Innovative Integrated Electronic Systems**  
*From super low power edge computing  
and car electronics to AI systems*



# 4th CIES Technology Forum

March 22 - 23, 2018

## DAY 1

### Registration

[www.cies.tohoku.ac.jp/  
4th\\_forum/entry.html](http://www.cies.tohoku.ac.jp/4th_forum/entry.html)

**Registration fee: Free**

**Banquet fee: 6,000JPY**

**Pre-registration deadline:**

**March 15, 2018**

**Tohoku University  
Center for Innovative Integrated  
Electronic Systems**

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**International Symposium**  
**March 22, 2018**

Station Conference Tokyo, Sapia Tower 5F 501ABS  
1-7-12 Marunouchi, Chiyoda-ku, Tokyo

### Invited Speakers

Yong Kyu Lee (Samsung)  
David Eggleston (GLOBALFOUNDRIES)  
Kazuhiro Ohnishi (Renesas Electronics)  
Hideo Ohno (Tohoku University)  
Naoya Eguchi (Fuji Electric)  
Yoshikazu Takahashi (Tohoku University)

### Chair

T. Endoh (Tohoku Univ.)

### Committee

T. Endoh, T. Hanyu, S. Ikeda,  
Y. Mizomoto, T. Shinada (Tohoku Univ.)

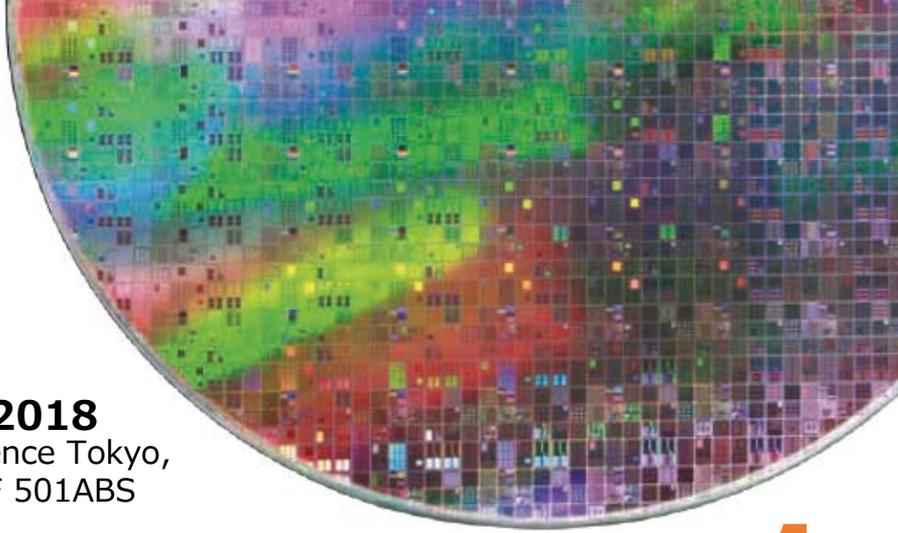
### Secretariat

T. Shinada, M. Maruyama (Tohoku Univ.)

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**International  
Symposium**

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# DAY 1

<<<Registration desk open at 9:45am>>>

10:30-10:45	Opening remarks	Tetsuo Endoh (Tohoku University)
10:45-11:30	<i>Invited talk 1</i> STT-MRAM Embedded Technology in 28-nm FDSOI Logic Process for Mass-Production	Yong Kyu Lee (Samsung)
11:30-12:15	<i>Invited talk 2</i> eMRAM: Winning the IoT and AI Applications	David Eggleston (GLOBALFOUNDRIES)
12:15-13:45	Lunch	
13:45-14:30	<i>Invited talk 3</i> Solution Challenges for IoT Society and Device Technology to Realize It	Kazuhiro Ohnishi (Renesas Electronics)
14:30-15:15	<i>Invited talk 4</i> Spintronics Nanoelectronics - Faster, Smarter, and Smaller -	Hideo Ohno (Tohoku University)
15:15-15:30	Break	
15:30-16:15	<i>Invited talk 5</i> Evolution of Power Electronics and Expectations for WBG Power Semiconductor	Naoya Eguchi (Fuji Electric)
16:15-17:00	<i>Invited talk 6</i> Advanced Power Module Technology - Interface between Power Electronics and Power Devices -	Yoshikazu Takahashi (Tohoku University)
17:00-17:10	Closing remarks	Shoji Ikeda (Tohoku University)
17:30-19:00	Banquet (Station Conference Tokyo, Sapia Tower 5F)	

## Tohoku University Center for Innovative Integrated Electronic Systems

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