

# University of Macau

## State Key Laboratory of Analog and Mixed-Signal VLSI

### Science Series - Distinguished Lectures 2015

Date : 21 April 2015  
(Tuesday)

Venue: G013,  
Faculty of Business Administration (FBA), E22

#### Morning Session

9:30-10:30



Topic: Scalable and Synthesizable Analog IPs  
Speaker: Professor Akira Matsuzawa, Tokyo Institute of Technology

10:30-10:45

Coffee Break



10:45-11:45



Topic: System-Level ESD Protection Design with Transient-to-Digital Converter  
Speaker: Professor Ker Ming-Dou, National Chiao-Tung University, Hsinchu, Taiwan

11:45-12:45



Topic: Circuit Techniques for next Generation Wireless Communication  
Speaker: Professor Bram Nauta, University of Twente, The Netherlands

#### Afternoon Session

14:45-15:45



Topic: DATA CONVERTERS: THE ROAD FROM HUNDRED OF MS/s TO MANY GS/s  
Speaker: Professor Franco Maloberti, University of Pavia

15:45-16:00

Coffee Break



16:00-17:00



Topic: Contemporary Analog from DC to RF  
Speaker: Professor Bang-Sup Song, University of California, San Diego

The lecture is open to the public

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State Key Laboratory of  
Analog and Mixed-Signal VLSI

模擬與混合信號超大規模集成電路國家重點實驗室



SSCS Chapter



CAS/COM Joint-Chapter  
(2009 Chapter of the Year)



# System-Level ESD Protection Design with Transient-to-Digital Converter

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April 21, 2015



國立交通大學  
National Chiao Tung University



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## Outlines

1. ESD Events and Protection Concept.
2. System-Level ESD Protection.
  - Transient-to-Digital Converter

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