



EOS/ESD Association, Inc.

Setting the Global Standards for Static Control!

# EOS/ESD Symposium for Factory Issues in Singapore August 4-6, 2014

Regional English Language Center (RELC), 30 Orange Grove Rd, Singapore 258352

- The ANSI/ESD S20.20 Standard and official ANSI/ESD S20.20 Facility Certification Program was developed and is maintained by the EOS/ESD Association
- The ESD Program Manager Professional Certification was developed and is maintained by the EOS/ESD Association
- ESD Association instructors who developed the ANSI/ESDA and IEC ESD Standards bring you today's current information and developments.



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# 2014 EOS/ESD SYMPOSIUM FOR FACTORY ISSUES

## SCHEDULE

### MONDAY-TUESDAY, AUGUST 4-5, 2014

9:00 AM - 5:00 PM
ESD Program Development and Assessment (ANSI/ESD S20.20 Seminar)

### WEDNESDAY, AUGUST 6, 2014

9:00 AM - 9:30 AM	9:30 AM - 10:30 AM	10:30 AM - 11:00 AM	11:00 AM - 12:00 PM	12:00 PM - 12:30 PM	12:30 PM - 1:30 PM	1:30 PM - 2:30 PM	2:30 PM - 3:00 PM	3:00 PM - 3:30 PM	3:30 PM - 4:00 PM	4:00 PM - 5:30 PM
Invited Talk 1:	Invited Talk 2	Break	Invited Talk 3	Local Speaker	Break	Year in Review	Local Speaker	Local Speaker	Break	Workshop

### MONDAY-TUESDAY, AUGUST 4-5, 2014

9:00 AM - 5:00 PM ESD Program Development and Assessment  
(ANSI/ESD S20.20 Seminar)

### WEDNESDAY, AUGUST 6, 2014

9:00 AM - 9:30 AM Invited Talk: SIN Team-Formation of Local Chapter  
Johan Jr Chan, IBM

9:30 AM - 10:30 AM Invited Talk: Comparability Between Stress in the Field  
and During Device Testing  
Reinhold Gaertner, Infineon Technologies

10:30 AM - 11:00 AM Break & Networking session

11:00 AM - 12:00 PM Invited Talk: ESD Process Capability Assessments.  
Ron Gibson, Advanced Static Control Consulting

12:00 PM - 12:30 PM Static Control Considerations For Automated Handling  
Equipment With High Temperature Testing  
Marcus Koh, Everfeed Technologies

12:30 PM - 1:30 PM Break & Networking session

1:30 PM - 2:30 PM Year in Review ESD Standards updates  
John Kinnear, IBM

2:30 PM - 3:00 PM Semiconductor Back End Manufacturing Process –  
ESD Capability Analysis  
Wong C.Y, Infineon Technologies

3:00 PM - 3:30 PM Alternative ESD Measurement Method for JEDEC trays  
Charlene Rosal Batislaong, ST Microelectronics

3:30 PM - 4:00 PM Break & Networking session

4:00 PM - 5:30 PM Workshop and Q&A Session: What requirements do we  
really have to fulfill to be able to handle ESDs in produc  
tion lines  
Moderator: Shih Ming Lee, ST Microelectronics  
Panel: Reinhold Gaertner, John Kinnear, Johan Jr. Chan,  
Ron Gibson

#### Management Committee Chair:

Reinhold Gaertner, Infineon Technologies

John Kinnear, IBM Corporation

#### Organizing Committee:

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Johan Jr Chan, IBM Corporation

Bernard Chin, UTAC

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## ACCOMMODATION

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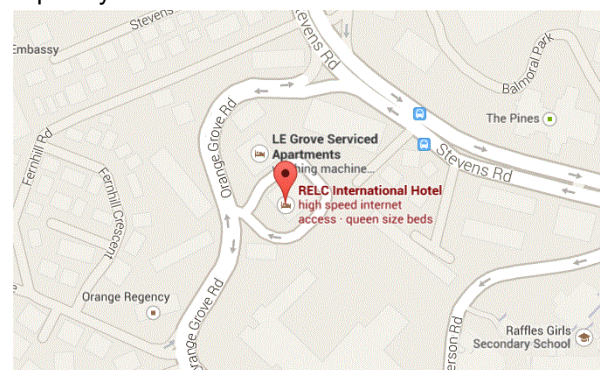
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# SEMINAR

MONDAY-TUESDAY, AUGUST 4-5, 2014

## FC340: ESD Program Development and Assessment (ANSI/ESD S20.20 Seminar)

9:00 a.m. - 5:00 p.m.

Instructors: Ron Gibson, Advanced Static Control Consulting; John T. Kinnear, IBM Corporation

Certification: PrM

This seminar provides instruction on designing and implementing an ESD control program based on ANSI/ESD S20.20. The course provides participants with the tools and techniques to prepare for an ESD facility audit. This two-day course is an ESDA certification requirement for in-plant auditors and program managers who are working toward professional ESD certification. Current changes to ANSI/ESD S20.20 will be discussed and presented. The following topics are covered in this course:

- Overview of ANSI/ESD S20.20
- How to approach an assessment
- Administrative elements
- ESD program assessment
- ESD program techniques for different applications
- Technical elements
- Overview of the assessment process
- The audit checklist and follow-up questions

***This seminar is intended to provide the student with the necessary understanding of the principles involved in S20.20, to allow the development of an ESD Control Program Plan that minimizes the risk of damage to sensitive items. In-class discussions cover real life ESD program problems and solutions.***

### ABOUT THE INSTRUCTORS



**John Kinnear** is an IBM Senior Engineer specializing in process & system technology, and facility certification in accordance with ANSI/ESD S20.20. He has a BS degree from University of Buffalo and a MS degree from Syracuse University. John has coordinated the testing of large mainframes for compliance to EMC, Safety, Environmental, Shipping and Volatile Organic Emission standards. He has also been the lead engineer on testing large mainframe systems to EMC emissions and immunity standards for FCC, CE Mark, VCCI and other

national requirements. As a member of the ESD Association since 1990, John has served in several Standards Development Committees as well as association management positions. John is the appointed Technical Adviser to the United States National Committee/IEC Technical Committee 101, where he represents the United States to the International Electrotechnical Commission (IEC). As Chair of the ESDA's Facility Certification (ANSI/ESD S20.20) development program, John played major roles in the program's development and industry launch. In particular, John coordinated the initial development of Lead Assessor training, ISO Registrar Certification, and witness audits. John has served in every ESD Association officer's position, including Vice President, Senior Vice President and President. He is the past Chairman of the EOS/ESD Symposium Technical Program Committee and past General Chairman of the 2004 EOS/ESD Symposium.



**Ron Gibson** is the president of Advanced Static Control Consulting (ASCC). ASCC provides consulting, ESD material and product qualification, and develops ESD training programs for clients. Prior to establishing ASCC, Ron was a senior associate with Stephen Halperin & Associates (SH&A). In this capacity, Ron provided consulting services to SH&A clients on a global basis. From 1994 to 2010, Ron was the corporate ESD program manager for Celestica International, Inc. and was responsible for the ESD control programs at all of Celestica's factories worldwide.

From 1979 to 1994, Ron worked for IBM. Ron co-authored IBM's initial factory ESD standards. Ron has been a member of the ESD Association (ESDA) since 1988, and has served as an officer in the positions of president, senior vice president, vice president, secretary, and treasurer. He has also served as chairman of the ESDA standards committee (STDCOM) for over 10 years and as the first chairman of the ESDA certification business unit. Gibson is an iNARTE certified electrostatic discharge control engineer, an ESDA certified instructor for the program manager certification program and is a certified chief ESD coordinator for the Reliability Center of Japan. Gibson represents Canada on the International Electrotechnical Commission's (IEC) Technical Committee (TC) 101-Electrostatics and is Canada's topic matter expert for six of TC 101's technical working groups.

# REGISTRATION

## EOS/ESD Symposium for Factory Issues in Singapore

August 4-6, 2014

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<input type="checkbox"/> ESD Program Development and Assessment August 4-5, 2014	\$ 950 USD
(ANSI/ESD S20.20 Seminar) *	
<input type="checkbox"/> Symposium Only* August 6, 2014	\$ 400 USD
One full day of Invited Talks and Workshops	
<input type="checkbox"/> Symposium Bundle* August 4-6, 2014	\$1,100 USD
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