

24th/25th March 2020 // Ingolstadt

AGENDA

Reliability Testing and Protection

Day 1 // 24th March

- Dr. Helmut Schweigart** 13.30 // **Welcome**
Head of Reliability & Surfaces
ZESTRON Europe
- Introduction of the agenda, ZESTRON and GfKORR
 - Introduction of participants
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- Emma Hudson** 14.00 // **Standardization and Trends/Needs concerning EIS**
Chief Technology Officer
Gen3 Systems
- Weak Spots of today's SIR Testing**
- Current standards in use for surface ECM testing and their weaknesses
 - How is EIS starting to appear in the electronics industry standards
 - What should be considered when developing new EIS standards for international use
-
- Dr. Helmut Schweigart** 14.45 // **Impedance Spectroscopy**
Head of Reliability & Surfaces
ZESTRON Europe
- Introduction into method
 - Chances in electronics
 - Cases and first experiences
-
- 15.30 // Coffee Break**
-
- Dr. Michael Schneider** 16.00 // **Risk Assessment at Mold Applications**
Group Leader Electrochemistry
Fraunhofer IKTS
- Introduction of degradation mechanism
 - Non-destructive test methods
 - Examples
-
- 16.45 // Final Discussion of Day 1**
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- 17.00 // End of Day 1**
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- Sightseeing & Dinner**
- 18.30 // City Tour**
Meeting point at Taschenturm in Ingolstadt (duration approx. 1 hour)
- 19.30 // Dinner**
Exchange of experiences during a joint dinner in a Bavarian Restaurant

AGENDA

Reliability Testing and Protection

Day 2 // 25th March

Dr. Helmut Schweigart 09.00 // Summary of the day

Dr. Joerg Vogelsang 09.15 // Use of EIS in the context of heavy duty corrosion protective organic coatings
Head Corporate Analytics & Testing
Sika Technology AG

- Expectations and promises
- Limitations and opportunities
- Realistic target setting and the power of EIS

10.15 // Coffee Break

Dr. Theresia Richter 10.40 // Impedance Spectroscopy as alternative Detection Method for Reliability and Humidity Robustness of PCBAs
Mounting & Connection Technology Substrate & Control Unit
Robert Bosch GmbH

- Risk for electrochemical migration assessed by electrochemical impedance spectroscopy
- Perspectives of impedance spectroscopy for testing of solder joint reliability and PCBA humidity robustness

11.40 // Lunch

Rajan Ambat 12.40 // Use of EIS for risk assessment of flux residues and humidity absorption risk on PCBAs
Professor in Corrosion and Surface Engine
Technical University of Denmark DTU

- PCBA cleanliness as a means to induce humidity robustness
- EIS as a method for assessing flux chemistry moisture absorption
- Residue and moisture induced risk prediction – How EIS and DC methods works?
- EIS for detecting humidity absorption and moisture transport

Freddy Gilbert 13.40 // Material Compatibility Check Abilities
Technology Analyst
ZESTRON Europe

- Visual Inspection
- SEM-EDS and FTIR-Spectroscopy
- Impedance Spectroscopy

14.10 // Coffee Break

Graham Naisbitt 14.30 // Outlook to new EIS based Testing Procedures
Managing Director
Gen3 Systems

- Considerations when developing new EIS test procedures
- Getting the industry to adopt new test procedures
- EIS testing for 'objective evidence'

15.00 // Final Discussion

15.15 // End of Event

Reliability Testing and Protection

24th/25th March 2020 // Ingolstadt // Germany

To register, please fill out the following form and send it to gfkorr@dechema.de

Participant:

Mrs.

Mr.

Surname:	
First name:	
Title, Position:	
Company:	
Phone:	
Fax:	
E-mail:	

Invoice address:

Company:	
Department:	
Street:	
Postcode, City:	
Country:	

Participation fee (please check):

Member of EFC 800 Euro	<input type="checkbox"/>	Normal 820 Euro	<input type="checkbox"/>
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The participation fee includes:

Proceedings in printed form

Refreshments / Coffee breaks

Social Programme / City Tour

Dinner on the first evening

Lunch buffet on the second day (salad buffet, various starters, main course, dessert)

I have been informed about the privacy policy for the usage of this service. I have also been informed on my right to object to the use of my data at any time.
(for full details click the link: <http://www.gfkorr.de/datenschutz.html>)