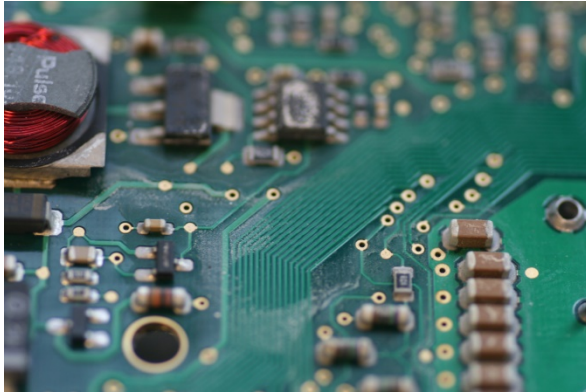


First announcement for the 2nd international seminar on

Climatic reliability of Electronics: Global challenges and Perspectives



January 19-20, 2017

**Technical University of Denmark
DK 2800 Kgs. Lyngby, Denmark**

www.inspe.mek.dtu.dk
www.celcorr.com

Who should attend?

- Reliability engineers
- Technology forecasters
- Corrosion engineers and specialists
- Researchers and academics

Focus / Topics

- Corrosion
- Coatings
- Enclosure Design
- Contamination
- Networking

Please mark the dates Jan. 19-20 in your calendar.

Seminar programme, Day 1, 19th January 2016

08:30 – 09:00	Registration and coffee	
Session 1: Invited talks		
09:00 – 09:45	Introduction to the seminar Overview of humidity driven failures in electronics	Rajan Ambat, CELCORR, DTU
09:45 – 10:20	Atmospheric aerosols interaction with water: overview on the role of aerosol chemistry and applications for corrosion prevention in data center	Luca Ferrero, Department of Earth and Environmental Sciences, University of Milano-Bicocca, Italy
10:20 – 10:55	Electrochemical migration on the interconnection networks used in microelectronics	Laura Frisk, University of Tampere, Finland
10:55 – 11:15	Coffee break	
Session 2: Industry focussed presentations		
11:15 – 11:35	Controlling the humidity gives control of production and storage: Focus on electronics applications	Rasmus Toftegaard, Cotes A/S, Denmark
11:35 – 11:55	Easy residue and corrosion failure detection	Morten Jellesen, EC-RAT A/S, Denmark
11:55 – 12:15	Solderability and Reliability Evolution of Ecofreq No Clean Solder Flux range	Rodrigo AGUILAR LIMAS, Inventec, France
12:15 – 13:15 Lunch break		
Session 3: Invited talks		
13:15 – 13:50	Controlling humidity effects on electronics: Importance of enclosure design	Jens Peter Krog, Consultant, Grundfos, Denmark
13:50 – 14:25	Corrosion-climatic conditions in a vehicles body: results of a multianual long-term driving study	Christoph Jahn, University of Dresden, Germany
14:25 – 15:00	Corrosion reliability of printed circuit board surface finishes under salt spray and gaseous conditions	Helge Schimanski, ISIT, Farunhofer Institute, Germany
15:00 – 15:20 Coffee break		
Session 4: Industry focussed session		
15:20 – 15:40	Coating processes and trends in the coating industry	Lars Nielsen, Nordson Asymtek, Denmark
15:40 – 16:10	Silicone conformal coatings for electronics	Jesper Houmøller, Tribotec, Sweden
16:10 – 16:30	Vapour phase conformal coating for electronics	Jan Kilen, CORE-emt A/S, Denmark
16:30 – 16:50	Novel reliable rectiverter system	Larsen Oystein, Eltek, Norway
16:50 – 17:00	Conclusions for the first day	Rajan Ambat, CELCORR, DTU
17:00 – 19:30	Match making event organized by B2Match and working dinner	

Seminar programme, Day 2, 20th January 2016

08:45 – 09:00	Arrival and coffee	
Session 1: Invited talks		
09:00 – 09:35	Residue reliability of no-clean fluxes in humid environment	Harry Trip , Cobar Europe BV, The Netherlands
09:35 – 10:10	Influence on electrochemical migration due to combination of soldering processes	Gábor Harsányi , BME, Budapest, Hungary
10:10 – 10:45	Hydrofluoric acid induced corrosion of electronic circuits	Lutz Muller , Bosch Automotive Electronics, Germany
10:45 – 11:10 Coffee break		
Session 1: Industry focussed presentations		
11:10 – 11:30	Proposal for a method on characterization of practical humidity ingress in enclosures	Kim Schmidt , Delta
11:30 – 11:50	TBA	
11:50 – 12:10	TBA	
12:10 – 14:00 Lunch break and Match making event by B2Match		
14:00 – 14:35	Critical level of water layer formation on PCBA and sequential failure	Vadimas Verdingovas , CELCORR, DTU
14:35 – 15:10	Comparison of ionic contamination, ion chromatography and SIR	Möller Thomas , Zestron, Germany
15:10 – 15:45	TBA	
15:45 - 16:00	Conclusion and end of seminar	Rajan Ambat , CELCORR, DTU

Please mark the dates Jan. 19-20 in your calendar. More detailed programme and information will be announced soon.

Organizers:

Professor Rajan Ambat, CELCORR, DTU
 Dr. Morten Jellesen, CELCORR, DTU
 Dr. Daniel Minzari, IPU

Expected Fee for attendees:

Members of ATV-SEMAPP: DKK: 3500; Others: DKK: 5000. The fee covers food and conference materials.

Registration:

More information will appear soon on www.celcorr.com

This seminar on “Climatic reliability of electronics: Global challenges and perspectives” is organized by Center for Electronic Corrosion (CELCORR) and EFC Task Force on “Corrosion Reliability of Electronics” together with IPU.

Center for Electronic Corrosion



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