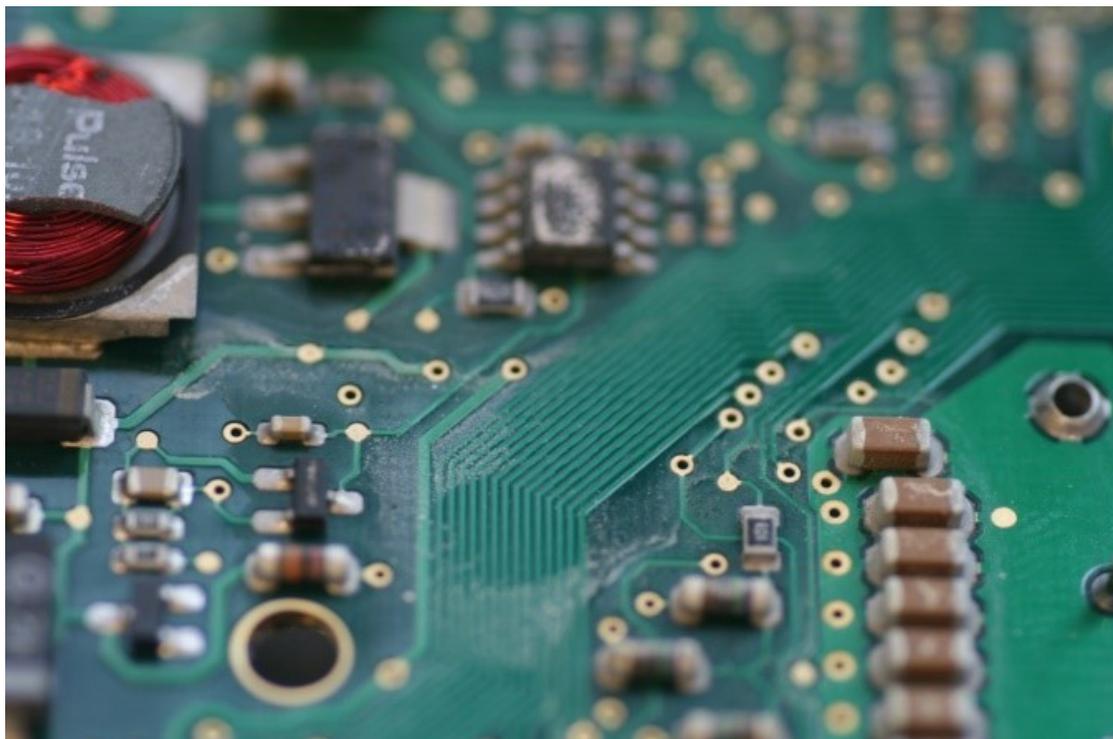


Two day seminar on
Climatic Reliability of Electronics
Global Challenges and Perspectives

19 & 20 January 2017

Technical University of Denmark



Celcorr

Program

Day 1 | Thursday - 19th January 2017

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

Corrosion reliability of printed circuit
board surface finishes under salt
spray and gaseous conditions

Laura Frisk
Trelac Oy, 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, Denmark

11.55 – 12.15

Solderability and Reliability
Evolution of Ecofreq No Clean
solder Flux range

Rodrigo Alguilar 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 multiannual long-term driving study	Christoph Jahn University of Dresden, Germany
14.25 – 15.00	Influence on electrochemical migration due to combination of soldering processes	Helge Schimanski ISIT, Fraunhofer Institute, Germany
15.00 – 15.20	Coffee break	

Session 4 Industry focussed presentations

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	From Bottom of the Sea into Deep Space	Jan Kilen ParaTech Coating Scandinavia AB, Sweden
16.30 – 16.50	“Rectiverter – A New Word - and a New World - in Power Conversion” Breakthrough technology – made reliable	Oystein Larsen Eltek, Norway
16.50 – 17.00	Conclusions for the first day	Rajan Ambat CELCORR, DTU
17.00 – 19.30	Match making event organized by B2 Match and working dinner	

Day 2 | Friday - 20th January 2017

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

Electrochemical migration on the interconnection networks used in microelectronics

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 2 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

How to do proper cleaning and coating

Torben Ryberg
GPV Electronics

11.50 – 12.10

Conformal coating for high temperature automotive applications

Marie Kaing
Humiseal Europe Ltd.

12.10 – 14.35

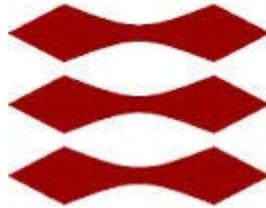
Lunchbreak and Match making event by B2Match

Session 3 Invited talks

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	Thomas Möller Zestron, Germany
15.10 – 15.45	Reliability of hearing aids	Rune Bøttzauw Widex
15.45 – 16.00	Conclusion and end of seminar	Rajan Ambat CELCORR, DTU

Organizers

DTU



IPU

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Teknologisk
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