### Registration by FAX +49-2631-3933-33

Name:	
Company:	
Address:	
Code:	City:
Phone:	
E-mail:	
Invoice Address:	
Code:	City:
VAT-No.:	
Order-No.:	

### Please register these people as well:

Name:



Equipos de control de calidad

Tel.: (+34) 902 450 160 Fax: (+34) 902 433 088 <u>ermec@ermec.net</u> <u>www.ermec.net</u>

Attendance is limited. Please register early. Past seminars have been fully booked up soon after announcement.

For further details please contact our conference coordinator Mrs. Gabi Bechtel

Tel: +49-2631-3933-30 E-mail: gbechtel@lippke.com



### **Further details:**

# Location of the conference: Schloss Montabaur

Schlossweg 56410 Montabaur/Germany Homepage: www.hotelschlossmontabaur.de E-mail: info@hotel-schloss-montabaur.de Tel: +49 2602 14 -300 Fax: +49 2602 14 -106

### Hotel reservation:

Please refer to the "Lippke – MOCON Conference" when you arrange your hotel accommodation. Please reserve your room **at least 8 weeks before** the seminar to ensure availability .

### Conference fee:

€ 320 per person (for German customers, customers without VAT-No. or without certificate regarding the status as taxpayer: 19 % VAT will be added). The fee includes participation, documents, lunch and refreshments.

### Language:

The conference language is English.

### **Registration:**

We recommend an early registration by fax with detailed invoice address and VAT-No.

### Payment terms:

Please transfer your conference fee after receipt of our invoice, latest 15 March 2013.

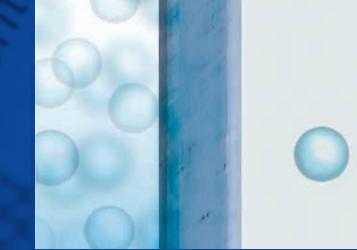


Paul Lippke Handels-GmbH Carl-Borgward-Straße 10 • 56566 Neuwied/Germany Tel.: +49 2631 3933 0 • info@lippke.com • www.lippke.com





# Permeation Measurement News - Trends - Applications 09 April 2013, Schloss Montabaur





This seminar is for those involved with Barrier Material Selection, Package Testing, R & D, QA, and Barrier Specification....

### **Speakers**



**Franz Sturm** Managing Director Paul Lippke Handels-GmbH, Germany



Robert L. Demorest President and CEO MOCON INC., Minneapolis/MN/USA



Doug Lindemann Vice President / General Manager Barmastian Products & Santiaga

Permeation Products & Services MOCON INC., Minneapolis/MN/USA

### Alan Shema



Product Manager Consulting Testing Services MOCON INC., Minneapolis/MN/USA



Andreas Roos Product Manager Permeation Paul Lippke Handels-GmbH, Germany



Joel Fischer Lab Manager MOCON INC., Minneapolis/MN/USA



Frank de Brandt Research & Technical Service Engineer EVAL EUROPE N.V., Zwijndrecht, Belgium



Hans-Peter Wagner Service Department Manager Paul Lippke Handels-GmbH, Germany

Complimentary to the symposium will be a display of the latest MOCON Permeation Measurement Instruments. Program for the day....

8.15 Reception and Registration

8.45 Welcome Franz Sturm, LIPPKE

9.00 Traditional and New Applications in Permeation Measurement Robert L. Demorest, MOCON

9.30 Permeation Basics - Part I

Relationship between permeation, solubility and diffusion; Fick's Law, intrinsic and polymeric properties affecting permeation. *Joel Fischer, MOCON* 

10.00 Coffee Break

# 10.30

# Permeation Basics - Part II

Relationship between permeation, solubility and diffusion; Fick's Law, intrinsic and polymeric properties affecting permeation. *Joel Fischer, MOCON* 

11.00 Alternatives to Traditional Permeation Testing OpTech<sup>®</sup>-O<sub>2</sub> Platinum, a new measurement technology.

Oplech<sup>®</sup>-U<sub>2</sub> Platinum, a new measurement technology Andreas Roos LIPPKE

11.30

## **High Temperature Permeation Testing**

Testing close to real life conditions gives the best information of barrier properties. High temperature applications are important in the solar cell industry. *Joel Fischer, MOCON* 

12.00

Lunch Break

ERMEC, S.L. BARCELONA C/ Francesc Teixidó, 22

Equipos de control de calidad (Spain) Program for the day....



13.30 Latest MOCON Permeation Instruments Doug Lindemann, MOCON

14.00 EVOH Based Solutions for Sterilisable Barrier Packaging Frank de Brandt, EVAL EUROPE N.V., Zwijndrecht, Belgium

14.30 Understanding International Standards for Permeation Measurements

Explanation of the different standards for measurement of OTR, WVTR and CO<sub>2</sub> transmission rate. *Andreas Roos, LIPPKE* 

15.00 Coffee Break

15.30

## **Shelf Life Studies Basics - Concepts - Principles**

A shelf life study is an objective means to determine how long a product can reasonably be expected to keep, without an appreciable change in quality, safety and character. *Alan Shema, MOCON* 

16.00

Permeation Testing of Flavour / Aroma Compounds Joel Fischer, MOCON

# 16.30

Tips for Getting Continued Quality Results Gained through experience, for use in practice. Hans-Peter Wagner, LIPPKE

17.00 **End** 

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