



Institut für Werkstofftechnik  
Kunststofftechnik  
Prof. Dr.-Ing. H.-P. Heim

U N I K A S S E L  
V E R S I T Ä T

## 14<sup>th</sup> Workshop

# Odour and Emissions of Plastic Materials

Kassel / Germany  
26 - 27 March 2012



Axel Semrau®

GERSTEL



imat·uve  
design & engineering



BYK  
Additives & Instruments



DOURNET  
air quality and odour research consultants



Innovationszentrum  
Kunststoff- und Recyclingtechnik e.V.

### Fees

Regular fee	700 €
Members of the Innovation Centre	560 €
Exhibitors (incl. stand and 1 person)	850 €
Universities, Poster Presenter	350 €

Discount of 10 % for registration before 18 February 2012.

### Fee includes

Full Workshop participation with proceedings, refreshments.

### Registration

Registration by post  
Registration by fax: (+49) 561 804 3672  
Registration by e-mail: susanne.wolff@uni-kassel.de

### Cancellation

Charge for cancellations within 2 weeks to the opening day of the Workshop: 150 €. No refunds on cancellations received after 21 March 2012.

### Exhibitors, Poster

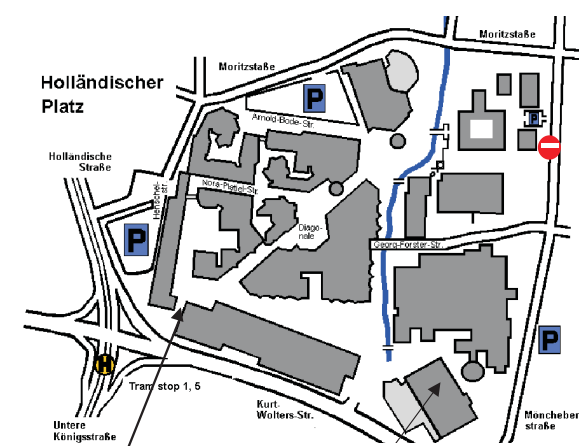
If you are interested, please contact:  
susanne.wolff@uni-kassel.de

### Hotel accommodation

You will find hotels and a city map on web page:  
<http://www.kassel-tourist.de>

### Workshop location

Universität Kassel  
Kurt-Wolters-Str. 3  
34109 Kassel



Workshop location

Institut für Werkstofftechnik

### Objectives

Since our first workshop, held in Kassel in 1999, the interest in odours and emissions of plastics has continued to grow significantly.

The purpose of this workshop in this field of development is to present the measuring instruments for evaluation odours and emissions as well as new developments in industries to reduce odour and emissions.

In addition to the oral presentations, company exhibitions and poster presentations provide an active forum for discussions among the participants of the workshop.

The workshop is addressed to all users and manufacturers as well as customers, who use plastics in interiors, in particular the automobile industry, furniture and camper manufactures, the foodstuffs industry, the recycling industry etc.

**Simultaneous translation English/German and German/English will be provided.**

### Programme Committee

Prof. Dr.-Ing. F.-B. Frechen  
J. Garlinsky  
Prof. Dr.-Ing. H.-P. Heim  
B. Maxeiner  
K. Petersen  
G. Scharfenberger  
Dr. H.-P. Schlegelmilch  
H. G. Schrader  
Dr. E. Schürg-Pfeiffer  
Dr. H. Schulz

Universität Kassel  
BYK-Chemie GmbH  
Universität Kassel  
Odournet GmbH  
Gerstel GmbH & Co. KG  
Quma GmbH  
IMAT UVE GmbH  
H. G. Schrader GmbH  
FIAE  
FILK gGmbH Freiberg

### Workshop-Office

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GERMANY

## 14. Workshop Odour and Emissions of Plastic Materials 26-27 March 2012

Phone: (+49) 561/804-3687  
Fax: (+49) 561/804-3672

## Programme 26 March 2012

11:00 Registration  
Snack, Coffee Break

12:00 Opening

### Section A

Chairman: H.-P. Heim, Universität Kassel

12:15 **Die Weinsensorik - Methoden und Erkenntnisse aus Wein- und Verbrauchforschung**

Sensoric of Wine - Methods and Perceptions from Wine and Consumer Research

**D. Durner**

Fachhochschule Kaiserslautern, FG Oenologie und Lebensmitteltechnologie

12:45 **Kurzpräsentationen der Aussteller**

Short Presentations of Exhibitors

13:15 **Einleitung zum Workshop: Untersuchung des individuellen Riechvermögens**

Introduction for the Workshop - Testing the Individual Sense of Smell

**S. Kleinhans**

Universität Kassel

13:30 Coffee Break

**Exhibition / Poster Presentation**

**Workshop: Individual Sense of Smell**

### Section B

Chairman: H. Schulz, Filk gGmbH

14:30 **Emissionsprüfung für Bauprodukte in Deutschland und andere Europäische Ansätze**

Emission Testing for Building Products in Germany and other European Approaches

**C. Däumling**

Umweltbundesamt, Berlin

15:00 **Sensorische Bewertung von Emissionen aus Bauprodukten - Einführung der Geruchsprüfung in das AgBB-Schema**

Sensory-based Evaluation of Building Product Emissions - Intergation of Sensory Tests in the AgBB-Scheme

**A. M. Scutaru**

Umweltbundesamt, Berlin

15:30 **Geruchliche Beurteilung von Bauprodukten - ISO 16000-28 und Hausverfahren**

Determination of Odour Emission of Building Products - ISO 16000-28 and Odournet Method

**B. Maxeiner**

Odournet GmbH, Kiel

16:00 Coffee Break

**Exhibition / Poster Presentation**

**Workshop: Individual Sense of Smell**

## Section C

Chairman: B. Maxeiner, Odournet GmbH

17:00 **Abluftreinigung bei der Flammkaschierung - Erfahrungen aus der Praxis**

Exhaust Air Cleaning at Flame Laminating Processes - Practical Experience

**M. Sallat**

Sächsisches Textilforschungsinstitut e.V., Chemnitz

17:30 **Minimierung des Gehalts flüchtiger Bestandteile in Kunststoffcompounds bei der Compoundierung mit Hochleistungsdoppelschneckenextrudern**

Minimisation the Content of volatile Components on Plastic Materials at Compounding with High Performance Twin-Screw-Extruders

**C. Beinert**

Deutsches Kunststoff-Institut, Darmstadt

18:00 Closing

## Programme 27 March 2012

### Section D

Chairman: H.-P. Schlegelmilch, imat-uve GmbH

09:00 Opening

09:00 **Die V & F Massenspektrometer zur Bestimmung von Emissionen aus Kunststoffen**

The Use of V & F Mass Spectrometers for the Determination of Emissions from Plastics

**S. Praun**

V & F Analyse- und Messtechnik GmbH, Absam, Austria

09:30 **Emissionen in Wasser und kondensierter Phase bei Leitungsröhren, PET- und anderen Kunststoffflaschen - Thermodesorbition, SBSE und Pyrolyse GC-MS**

Emissions into Water and Condensed Phase from Pipes and PET or other Polymer Bottles by Thermodesorption, SBSE and Pyrolysis GC-MS

**D. Benanou**

Veolia Environment, Maison-Laffitte, France

10:00 **Neurophysiologische Methoden und Experimente zur biologischen Wirkung von Gerüchen auf den Menschen - historische Entwicklung**

Neurophysiologic Methods and Experiments for the biological Effect of Odours on Human Beings - Historical Evolution

**W. Dreher**

Selbstständiger Berater, Schönburg

10:30 **Ergebnisse zum Workshop: Untersuchung des individuellen Riechvermögens**

Results for the Workshop - Testing the individual Sense of Smell

**S. Kleinhans**

Universität Kassel

10:45 Coffee Break

**Exhibition / Poster Presentation**

### Section E

Chairman: J. Garlinsky, BYK-Chemie GmbH

11:30 **Aktuelle Neuerungen bei Emissionsprüfmethoden für Material-, Bauteil- und Fahrzeugmessungen**

News about Emission Test Methods for Materials, Components and whole Vehicles

**H.-P. Schlegelmilch\*, H. Schulz\*\***

\* IMAT-UVE GmbH, Mönchengladbach

\*\* FILK gGmbH, Freiberg

12:00 **VDA 278 - Neue Erkenntnisse objektivieren den Ringversuch 2010**

VDA 278 - New Findings objectify Round Robin Test 2010

**R. Kerscher**

BMW AG, München

12:30 **Der Einsatz von VDA-Testmethoden und Alternativen bei der Entwicklung von Polyolefinmaterialien**

The Usage of VDA Test Methods and Alternatives for the Development of Polyolefin Materials

**A. Standler, A. Fuchs, J. Huber**

Borealis, Linz, Austria

13:00 Buffet, Coffee Break

**Exhibition / Poster Presentation**

### Section F

Chairman: W. Dreher, Selbstständiger Berater

13:45 **Sind Messungen mit der Markes Micro-Chamber™ mit Messungen in der 1m³ Kammer vergleichbar? Ein Erfahrungsbericht von Emissionsmessungen an verschiedenen polymerbasierten Produkten**

Are Measurement with the Markes Micro-Chamber™ comparable to Measurement with a 1 m³ Emission Chamber? A Field Report of Emission Measurements on various Polymer Based Products

**N. Springer\*, A. Wyss\*, P. Schmid\*\***

\* Sika Technology AG, Zürich, Switzerland

\*\* Sika Deutschland, Stuttgart

14:15 **Anwendung von gekoppelten HD-GCMS Verfahren für die Analyse von Geruch/ Emissionen bei komplexen Matrices**

Application of Hyphenated HD-GCMS Techniques for Analysis of Odour/Emission from Complex Matrices

**G. Horner\*, N. Bukowski\*, D. Cooper\*, C. Widdowson\*\***

\* ALMSCO International, München

\*\* Markes International, Llantrisant, UK

14:45 Closing

## Registration form

Please complete in CAPITAL LETTERS

Company ..... Member of the Innovation Centre: Yes/No.....

Street .....

Country ..... City .....

Postal Code .....

Surname ..... First name .....

Title .....

Phone ..... Fax .....

E-mail .....

**Billing Address, if different** .....

I intend to present a poster during the workshop.

I intend to present products and to exhibit advertising material during the workshop.

Date ..... Signature ..... Company stamp

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Kassel / Germany, 26-27 March 2012