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FRAUNHOFER INSTITUTE FOR PROCESS ENGINEERING AND PACKAGING IVV

FRAUNHOFER INSTITUTE FOR SILICATE RESEARCH ISC

Fraunhofer Institute for Process Engineering and Packaging IVV
Petra Gabler
Giggenhauser Str. 35
85354 Freising
Germany

Yes, I will participate in the Forum »High-Barrier Technology – Cost-Efficient and Compatible« at the Fraunhofer IVV on 16/17 June 2015.

Full Name

Company/Organization

Address

Phone

E-mail

Location of the conference

Fraunhofer Institute for
Process Engineering and
Packaging IVV
Giggenhauser Str. 35
85354 Freising
Germany

Organizer

Petra Gabler
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Course fees

€ 850.- per person.
The fee includes participation
in the forum, in the evening
program as well as proceedings
and catering.

Language

The course will be conducted
in English.

Registration

Please use the registration
form or register online at
www.ivv.fraunhofer.de

Close of registration: 2 June 2015

Cancellations not made at least
two weeks prior to the start
of the forum will be subject to
a € 100.- administration fee.
For cancellations not made at
least 5 days before the start of
the course, the full course fee
will be payable.

Venue and accommodation

A list of available hotels as
well as a route description to
the venue can be found on the
internet under the link »Hotels
in Freising and Surroundings«
and »Address, Access and
Contacts«.

www.ivv.fraunhofer.de

FORUM HIGH-BARRIER TECHNOLOGY

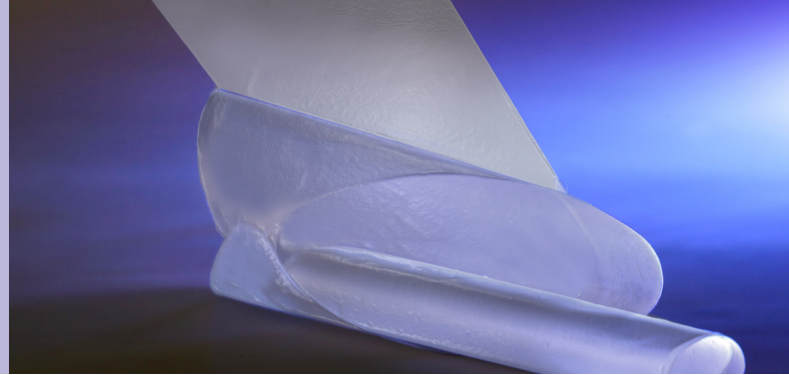
COST-EFFICIENT AND COMPATIBLE

16/17 June 2015



NEW ASPECTS OF INDUSTRIAL MANUFACTURING AND APPLICATIONS.

NOVEL MATERIAL CONCEPTS, PROCESSES AND TOOLS.



TUESDAY, 16 JUNE

- 11.00 Registration, coffee with snacks
12.45 Welcome and introduction
Prof. Dr. Horst-Christian Langowski,
Fraunhofer IVV, Freising, D

Motivation and Basics

- 13.00 Barrier films – Enabler of flexible functional technology
Dr. Jens Hauch, Energie Campus Nürnberg, Nuremberg, D
13.30 Basic principles of permeation through high-barrier films
M.Sc. Oliver Miesbauer, Fraunhofer IVV, Freising, D
14.00 Barrier coatings based on hybrid polymers with extended shelf life, quality controlled, environmental friendly
Dr. Sabine Amberg-Schwab, Fraunhofer ISC, Würzburg, D
14.30 Coffee break

Barrier Characterisation

- 15.00 The calciumtest as a versatile tool for the characterization of ultra high-barrier properties
Dr. Christine Boeffel, Fraunhofer Institute for Applied Polymer Research IAP, Potsdam, D
15.30 High-barrier WVTR measurements – Coulometric method
Dr. Klaus Noller, Fraunhofer IVV, Freising, D
16.00 Intro and world café
17.30 Presentation mindmaps
18.00 Closure
19.30 Dinner at the Bräustüberl Weihenstephan

WEDNESDAY, 17 JUNE

- 8.45 Welcome

Recent Results

- 9.00 Determining coating thicknesses in-situ using spectral transmission
Dr. Nancy Hecker-Denschlag, m-u-t GmbH, Neu-Ulm, D
9.30 Mechanical stability of high-barrier films and organic electronic devices
M.Sc. Sandra Kiese, Fraunhofer IVV, Freising, D

- 10.00 Challenges in high-barrier film development – Overview of recent results from European projects
Dr.-Ing. Esra Küçükpinar, Fraunhofer IVV, Freising, D
10.30 Coffee break

Applications

- 11.00 Barrier-Trends in future life science applications
Jörn Probst, Fraunhofer ISC, Würzburg, D
11.30 High-barrier materials by affordable vacuum coating processes
Wolfgang Lohwasser, Amcor Flexibles Kreuzlingen AG, Kreuzlingen, CH
12.00 Interactive action
12.30 Lunch
13.30 Visit of the pilot plants and laboratories

End User Perspective

- 14.30 Flexible encapsulation – Seen from a OPV-manufacturer perspective
Dr. Ralph Pätzold, BELECTRIC OPV GmbH, Nuremberg, D
15.00 Testing of high-barrier films by a vacuum insulation panels manufacturer
Dr. Roland Caps, va-Q-tec AG, Würzburg, D
15.30 Summary and conclusions