Fraunhofer WKI

EPF
European Panel Federation

5 - 7 October 2016

European Wood-based Panel Symposium®

10th

**Tagungsort / Meeting venue / Lieu du symposium**

Grand Elysée Hotel
Rothenbaumchaussee 10
20148 Hamburg
Germany
Phone +49 (0)40 41412-0
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info@grand-elysee.com
www.grand-elysee.com

**By plane**

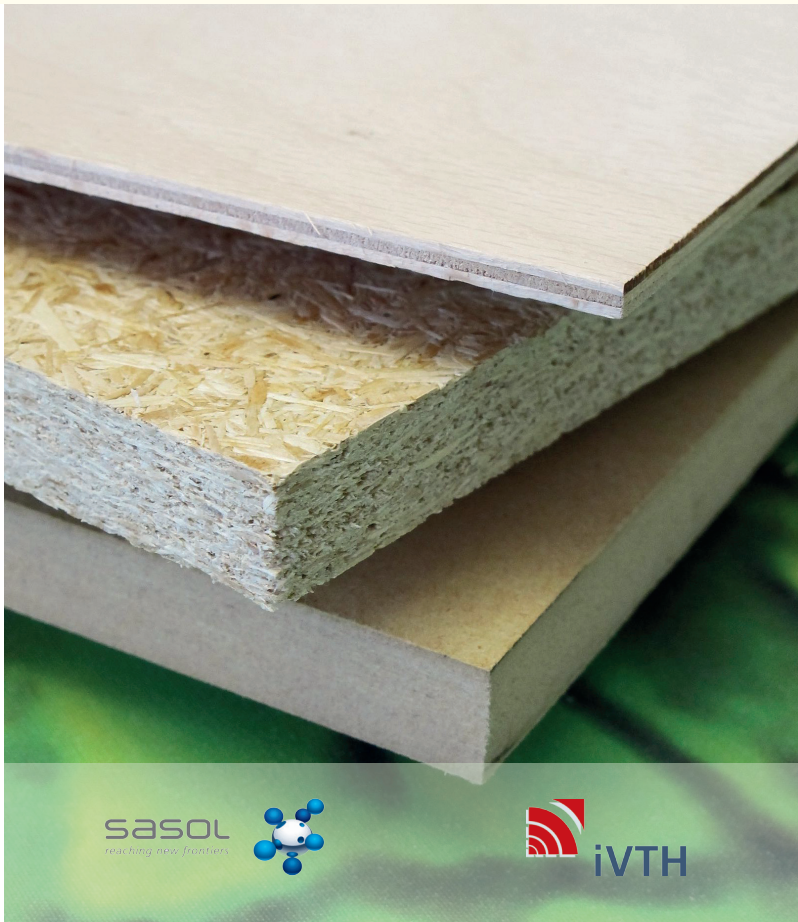
A taxi journey from Hamburg Airport should take approximately 20 minutes. Alternatively, you can make use of the S-Bahn suburban train link and take the S1 to main station and change there for suburban train S11, S21 or S31 towards "Dammtor" (approx. 30 min.). Departure at opposite platform.

**By rail**

The Grand Elysée is by the Moorweidenpark, opposite Dammtor railway station (3-minutes walk).

**By car**

Use your navigation system to the address mentioned above or see the directions on the conference website:
www.european-wood-based-panel-symposium.org



## Organiser / Veranstalter / Comité organisateur

Fraunhofer-Institut für Holzforschung
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Kris Wijnendaele, EPF



Bohumil Kasal, WKI

## Foreword

**Innovation and technical progress** are essential elements for any company seeking success in the wood-based panels sector. They lie at the heart of our bi-annual **Wood-Based Panel Symposium**. Reporting on new technologies, stimulating an exchange of experiences and alerting delegates to future challenges are exactly the key ambitions of the two day session.

This year marks the 10th edition of our Symposium, which over the course of 20 years has evolved from a regional and European gathering into a global forum that today addresses the issues that will shape the future of the wood-based panel industry. Our partnership, with the industrial support and sponsorship of first ExxonMobil and now Sasol Wax, continues to ensure the professionalism and ever-growing significance of this event. The most recent advances in research and technology are presented in the context of markets, and fundamental issues ranging from adhesion to raw material supply and environmental impact are analyzed and discussed. The expectations of our partners and customers are high. We strive to meet and exceed them.

This year we have again been fortunate to attract a great number of experienced and knowledgeable speakers who will present an exciting range of topics. They will cover a broad range of issues that the wood-based panel industry is facing. The competition between energy and material use of natural resources still presents a dilemma that our industry faces. The need for wood products is enormous and is expected to follow population growth as well as the development of GDP around the world.

The growing pressure on our natural resources is a global issue and this industry is a global one with the responsibility to utilise these resources efficiently and wisely, while providing its customers with quality and safe products in a profitable manner. We certainly hope that this conference will contribute to the profitability of our industry by facilitating the flow of ideas, information, and fruitful discussions, and by developing lasting partnerships. We look forward to your energetic and highly appreciated participation.

Kris Wijnendaele
Technical Director of EPF

Bohumil Kasal
Director of WKI

## 5th October 2016

**7 p.m. Welcome Party by iVTH, EPF and industrial partners.**

## 6th October 2016

**9 a.m. - 1 p.m.**
**Chairs: Clive Pinnington, EPF and Kai Greten, GreCon**

9 a.m. Bo Kasal and Kris Wijnendaele:
Welcome and opening.

9.10 a.m. Michael Pollmann, State Secretary of the Free and Hanseatic City of Hamburg, Ministry for the Environment and Energy:
Opening speech.

9.30 a.m. Michael Wolff, Pfleiderer (Germany):
Current situation of the European wood-based panel industries.

10.00 a.m. Fred Kurpiel, Georgia Research Institute (USA):
Building Greenfield Panel Plants in North America.... Again!

10.30 a.m. Richard Baldwin, Oak Creek Investments (USA):
An overview of the global plywood and veneer-based products industry.

11 a.m. - 11.30 a.m. Coffee break

11.30 a.m. Christian Blanke, Hamburg University (Germany):
Wood Flow Analysis as a key knowledge for structural developments.

12 p.m. Christian Hübsch, UPM (Germany):
Lignin based binders: an industrial reality part II, latest developments.

12.30 p.m. Ali Shalbafan, Tarbiat Modares University (Iran):
Geopolymers as formaldehyde free binders for the wood-based composite industry.

1 p.m. - 2.15 p.m. Lunch break

## 6th October 2016

**2.15 p.m. - 5.45 p.m.**
**Chairs: Kris Wijnendaele, EPF and Harald Schwab, WKI**

2.15 p.m. Michael Müller, Fraunhofer WKI (Germany):
Thermoplastic biopolymers (PLA) based binders for thick-walled lignocellulosic moldings – innovative research approach from prepregs to wood materials.

2.45 p.m. Wolfgang Stahl, Laminex (Australia):
Practical insights using Prod-IQ data and online predictions at an MDF line.

3.15 p.m. Andreas Weber, IHD (Germany):
3D Mouldable MDF: A two-phase curing adhesives makes it possible.

3.45 p.m. - 4.15 p.m. Coffee break

4.15 p.m. Alexey Beschastnov, Pöyry Management Consulting (Russian Federation):
Operational excellence potential for wood based panel mills globally: this time with no CAPEX.

4.45 p.m. Alexander Hoffmann, B. Maier Zerkleinerungstechnik (Germany):
3D feeding of knife ring flakers - the next step for better PB Board production.

5.15. p.m. Nadir Ayrilmis, Istanbul University (Turkey):
Effect of digester conditions, defibrator gap, and tree species on surface properties of fiberboard.

**6.30 p.m. Departure of the busses in front of the hotel**

**7 p.m. Evening reception at the invitation of Sasol Wax GmbH at a very special location**

## 7th October 2016

**9 a.m. - 11.30 a.m.**
**Chair: Michael Müller, Fraunhofer WKI**

9 a.m. Torsten Wiebesiek, GreCon (Germany):
Boosting raw panel inspection with statistical classification.

9.30 a.m. Konrad Solbrig, EWS (Germany):
Reliable measuring and control systems as a key factor for industry 4.0 in wood-based composite production.

10 a.m. Arnaud Humbert-droz, Valdelia / Dominique Coutrot, DCC SAS (France):
Contribution to the circular economy: recycling furniture, inclusion in the virtous cycle of wood.

10:30 a.m. Matteo Simonetta, Acimall (Italy):
The Plastic killer: Innovative plastic pollutants removal for efficient recycled wood panels production.

11.00 a.m. Sascha Stempel, Nobilia (Germany):
Highly industrialized furniture production and the resulting requirements for materials and processes.

**11.30 a.m. - 12 p.m. Coffee break and Poster session**

## 7th October 2016

**12 p.m. - 2 p.m.**
**Chair: Bo Kasal, Fraunhofer WKI**

12 p.m. Peter Niemz, ETH Zürich, Berner FH (Switzerland):
Mechanical performance of glue joints in structural hardwood elements - State of the art and conclusions for wood based materials.

12.30 p.m. Hubertus Delenk, Technische Universität Dresden (Germany):
Requirements to wood-based panels for the use in hygienic areas.

1 p.m. Alexandra Schieweck, Fraunhofer WKI (Germany):
VVOC emissions from wood and wood-based products .

1.30 p.m. Rainer Marutzky, iVTH (Germany):
EU-VOC class declaration format.

2 p.m. Bo Kasal and Kris Wijnendaele:
Closing remarks.

2.15 p.m. End of the symposium and
lunch at venue or packed lunch to choice.

*Subject to change without prior notice.*

## Registration

Please use our conference website for your registration:
**www.european-wood-based-panel-symposium.org**

**Deadline for registration is 30th September, 2016.**

## Seminar fees

| | Early bird registration until 10th August, 2016 | Registration from 11th August, 2016 |
|---|---|---|
| Students (with student ID) | € 280,- | € 300,- |
| University staff, members of non-university research institutions | € 560,- | € 590,- |
| Industry representatives from member companies of the EPF and the iVTH | € 560,- | € 590,- |
| Other participants | € 655,- | € 790,- |
| Presentations on CD without participation in the symposium | | € 50,- |

## The conference fees include:

- Participation in the presentations on 6th and 7th October, 2016
- Conference documentation, presentations (digital)
- Lunch buffet on both conference days
- Drinks and snacks during the coffee breaks

## Supporting program

- Welcome Party on 5th October, 2016 at the invitation of the European Panel Federation EPF, the International Association for Technical Issues related to Wood and companies from the industry.
- Evening reception on 6th October, 2016 at the invitation of Sasol Wax GmbH from Hamburg.

Cancellations are subject to the terms and conditions of the conference, see website.

## Anmeldung

Bitte melden Sie sich über unsere Konferenz-Website
**www.european-wood-based-panel-symposium.org** an.

**Anmeldeschluss ist der 30. September 2016.**

## Tagungsgebühren

| | Frühbucher-Registrierung bis 10.8.2016 | Registrierung zum Standardpreis ab 11.8.2016 |
|---|---|---|
| Studierende (mit Ausweis) | € 280,- | € 300,- |
| Angehörige von Universitäten und außeruniversitären Forschungseinrichtungen | € 560,- | € 590,- |
| Industrievertreterinnen und -vertreter aus Mitgliedsfirmen der EPF und des iVTH | € 560,- | € 590,- |
| Sonstige Teilnehmerinnen und Teilnehmer | € 655,- | € 790,- |
| Präsentationen auf CD ohne Teilnahme am Symposium | | € 50,- |

## Die Tagungsgebühren beinhalten:

- Teilnahme an den Fachvorträgen am 6. und 7. Oktober 2016
- Tagungsunterlagen, Präsentationen (digital)
- Mittagsbuffet an beiden Tagungstagen
- Getränke und Snacks in den Vortragspausen

## Rahmenprogramm

- Zur Welcome-Party am 5. Oktober 2016 laden die European Panel Federation EPF, der Verein für Technische Holzfragen e.V. sowie Industrieunternehmen ein.
- Zum Abendempfang am 6. Oktober 2016 lädt die Firma Sasol Wax GmbH aus Hamburg ein.

Stonierungen unterliegen den Tagungs-AGBs, siehe Website.



## Inscription

Veuillez consulter notre site web pour vous inscrire:
**www.european-wood-based-panel-symposium.org**

**La date limite des inscriptions est fixée au 30 septembre 2016.**

## Droits d'inscription

| | Inscription Earlybird jusqu'à 10 août 2016 | Inscription après le 10 août 2016 |
|---|---|---|
| Etudiants | € 280,- | € 300,- |
| Scientifiques, membres des universités | € 560,- | € 590,- |
| Membres d'EPF et de l'iVTH | € 560,- | € 590,- |
| Autres participants | € 655,- | € 790,- |
| Présentations sur CD sans participation à la conférence | | € 50,- |

## Les droits d'inscription comprennent:

- La participation aux présentations du 6 et du 7 octobre 2016
- Les documents du Symposium , à noter les présentations (en version digitale)
- Les déjeuners
- Boissons et snacks pendant les pauses café

## Programme sociale

- La réception de bienvenue du 5 octobre 2016 à l'invitation du European Panel Federation EPF, the International Association for Technical Issues related to Wood et des entreprises de l'industrie
- La soirée du 6 octobre 2016 à l'invitation de Sasol Wax GmbH d'Hambourg

Les annulations sont sujets aux termes et conditions de la conférence, voir site web.

# Hotels



## Hotels

We have reserved a contingent of rooms at the Grand Elysée Hotel. You can make your room booking directly through the hotel quoting the reference "10.EWBPS".

**Booking deadline for hotel rooms is 22nd August, 2016!**



## Hotels

Wir haben für Sie ein Zimmerabrufkontingent im Grand Elysée Hotel gebucht. Sie können die Zimmerreservierung direkt beim Hotel unter dem Stichwort "10.EWBPS" vornehmen.

**Anmeldeschluss für Ihre Hotelanmeldung ist der 22. August 2016!**



## Hôtels

Nous vous recommandons l'hôtel Grand Elysée pour votre réservation. Vous pouvez réserver votre chambre directement via l'hotel en mentionnant la référence « 10.EWBPS ».

**La date limite des réservations est fixée au 22 août 2016!**