

8th International Conference of the European Industrial Hemp Association (EIHA)

www.eiha.org/8

May 18th–19th 2011

Rheinform, Wesseling/near Cologne (Germany)

Congress language: English



Pictures: Hempro Int., Lotus Cars, Hemp Technology Ltd, NPSP Composites

Don't miss the biggest industrial hemp event in 2011 – world wide!

The congress will focus on the latest developments concerning hemp and other natural fibres.

The spectrum of participants will range from

- cultivation consultants,
- primary and further processors,
- traders, mechanical engineers,
- investors to enterprise to
- suppliers (for example: insulation material, pulp & paper, automotive).

**Focus on bio-composites
& hemp food**

They all share common interest in the industrial utilisation of hemp fibres and shivs.
Other topics are hemp seeds and hemp oil in nutrition.

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Programme

1st day, May 18th (10:00–18:00 h)

Overview talks

- 10:00 **John Hobson**, Hemp Technology Ltd., Great Britain:
European Industrial Hemp Association (EIHA): Status and Outlook
- 10:20 **Mark Reinders**, HempFlax BV, The Netherlands:
HempFlax from pioneer to professional
- 10:45 **Michael Carus**, nova-Institute GmbH, Germany:
Hemp fibres for green products – an assessment of life cycle studies on hemp fibre applications
- 11:05 **Olivier Joreau**, Interchavre, France:
Presentation of French Hemp Branch: Interchavre
- 11:20 **Josephine B. Regalado**, Fiber Industry Development Authority, Philippine:
A Country Presentation: The Philippine Abaca Industry

Research on breeding, harvesting, retting and fibre properties

- 11:50 **Fei-Hu Liu**, Yunnan University, China:
Nondestructive forecasting of fiber content in hemp bast
- 12:20 – 13:30 **Lunch**
- 13:30 **Prof. Ming Yang**, Hemp Research Center, Institute of Industrial Crops, YAAS, China:
Breeding and cultivation of Industrial Hemp in China
- 14:00 **Giampaolo Grassi**, Industrial crop research center (CIN), Italy:
Dew retting of hemp in Italy using a new variety and an improved harvesting technique
- 14:30 **Ilze Baltina**, Riga Technical University, Institute of Textile Material Technologies and Design, Latvia:
Hemp fiber properties and production in Latvia

Construction

- 15:00 **Marc Beutnagel**, MEHA Dämmstoff und Handels GmbH, Germany:
Meha hemp insulation – the natural way to insulate!
- 15:30 – 16:00 **Coffee break**

Bio-Composites – Part I

- 16:00 **Michael Carus**, nova-Institute GmbH, Germany:
Bio-Composites – an overview
- 16:30 **Bernd Frank**, Badische Naturfaseraufbereitung GmbH, Germany, & **Lena Scholz**, nova-Institute GmbH, Germany:
Hemp pellets for injection moulding
- 17:00 **Terry Barman**, Tokn Hemp Products, Ireland:
Hemp Fibre Composites – new developments
- 17:30 **Dr. Johanne Denault**, IMI/CNRC, Canada :
Fiber treatment, formulation and processing technologies for optimum performance of hemp fibre thermoplastic composites
- 20:00 **Dinner buffet**

2nd day, May 19th (09:00–17:30 h)

Bio-Composites – Part II

- 09:00 **Pierre Amadieu**, Start hemp, France:
Long fiber extraction for composite reinforcement and textile yarn
- 09:30 **Matthias Hoornaert**, procotex SA Corporation NV, Belgium:
UD-Prepreg made from flax fibers for high-performance Eco-Composites. The material for a low carbon future
- 10:00 **Jan Wessels**, RWTH Aachen, Institut für Kunststoffverarbeitung (IKV), Germany:
Key technologies for the line production of high performance composites on the basis of renewable resources
- 10:30 – 11:00 **Coffee break**
- 11:00 **Martin Snijder**, Green Gran B.V., The Netherlands:
ULTRAFIBRE – high performance natural fibre by ultrasound
- 11:30 **Richard Hurdling**, Zelfo Technology, Germany:
“Remixed and binderless” Zelfo – Natural and recycled fibre products – Bio material of the year 2011
- 12:00 **Prof. Dr. Jörg Müssig**, Hochschule Bremen, Germany:
Hemp fibres reinforced PLA from cultivation to final product
- 12:30 – 13:30 **Lunch**
- 13:30 **Kai Nebel**, Reutlingen University, Germany:
Micro and nano? – Bastfibres for industrial use? Challenges, production techniques and applications
- 14:00 **Brian Chandler**, Acetylated Fibre Ltd., Great Britain:
Hydrophobic acylated natural fibres for the manufacture of high performance composites

Textiles

- 14:30 **Daniel Kruse**, Hempro International GmbH & Co. KG, Germany:
Update on hemp textiles
- 14:45 – 15:15 **Coffee break**

Food & Feed

- 15:15 **Daniel Kruse**, Hempro International GmbH & Co. KG, Germany:
Hemp food in the EU
- 15:30 **John W Roulac**, Nutiva, Canada:
North American Hemp Foods Update – Market Drivers and Opportunities
- 16:00 **Gordon Scheifele**, Ontario Hemp Alliance, Canada:
Fast, inexpensive field test for THC evaluation in the field and field evaluation for fatty acids (OMEGA 3 & 6) in Canadian Hemp Varieties
- 16:30 **Patrick de Ceuster**, Wervel vzw, Belgium:
Hemp production and transformation in Belgium
- 17:00 **Michael Carus**, nova-Institut GmbH, Germany:
Safety of hemp for use as animal feed – new report of “European Food Safety Authority (EFSA)”

Panel discussion on Hemp Food and Feed

Why hemp is a crop of the future!

Currently about 15,000 ha of hemp are being produced in the European Union. Following the decortication and fibre separation, the hemp can be divided into two main products: fibres and shivs. About 24,000 t of hemp fibres are being produced in the EU every year. **Hemp fibres** are most commonly used for speciality pulp and paper. New innovative applications include natural fibre composites used in the automobile industry (i.e. door panels) and many other applications (i.e. grinding discs), as insulation for the construction industry and agrotexiles for weed prevention and a renewable growing medium for cress and salad crops.

About 48,000 t of **hemp shivs** were produced in the EU. Shivs are used for animal bedding, particle boards for construction, furniture and gardening, especially as a less acidic alternative to bark mulch. The most important new application for hemp shivs mixed with Lime is for highly insulative wall construction in both domestic and industrial buildings. Hemp gives us the opportunity to lock up, sequester significant amounts of carbon in these constructions.

Hemp seeds are a third product resulting out of hemp cultivation. They can be used for food, feed and cosmetics. Applications for hemp seeds are snacks, oil for human consumption as well as body care and detergent. The bulk of hemp seeds are used for bird and fish feed.

Life cycle assessments (LCA) for different hemp products show significant environmental advantages. Hemp replaces fibre glass in composites and insulation materials and is used in the construction industry instead of conventional materials. The cumulated energy demand for producing hemp fibres is ten to 20 times lower than that for fibre glass. Hemp fibres and shivs belong to the “new biomaterials” which industry now demands. The use of hemp fibre will save finite resources, reduce CO₂ emissions and will store Carbon.

Hemp, an innovative material, is good for agriculture, the environment and enhances regional development!

Exhibition

You are welcome to present your latest products, technologies or developments – book a stand and a bulletin board now for only 200 EUR (plus 19% VAT).

Registration Fee www.eiha.org/8
400 € plus 19 % VAT for two days including dinner buffet
Members of EIHA: 100 € reduction of membership fee in 2012

Venue¹ Rheinforum, Kölner Strasse 42,
50389 Wesseling/Germany
(near Cologne)

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1) Venue & hotel information: The new venue of the conference – the Rheinforum – has a capacity of 200 participants and space for a lot of booths. The venue is next to the “Hotel am Rhein”, where we have reserved 55 rooms. You can make your arrangements as soon as possible – please use the keyword **nova**. If you will book your hotel later, there is the risk that you have to choose a hotel 10 or 15 minutes away from the venue.