Poster session

- A Novel method for improving cellulose functionality towards plasticization Kirsi Immonen, VTT, Finland
- Potential of residues from the wood processing industry for wood-polymer composite Sébastien Migneault, University of Québec in Abitibi-Temiscaminque, Quebec, Canada
- How impurities (Hemicelluloses, Ink and Lignin) affect the functionalization of celluloses fibres Alvaro Teiado, Tecnalia, Spain
- Characterizations of cellulose whiskers obtained from different sources L.H.C. Mattoso, National Nanotechnology Laboratory for Agriculture (LNNA), Brazil
- Effects of solvolysis treatment of wood on Physical and Mechanical Properties of Wood-Plastic Composites (WPCs) Masahiko Kobayashi, Forestry and Forest Products Research Institute (FFPRI), Japan
- Characterization of wood flour modified by micronized organo-montmorillonite (OMMT) suspension and properties of its composites with poly(lactic acid)
- Ru Liu, Faculty of Material Science & Technology, Beijing Forestry University, China
- Bio Based Lignin Composites Lisa Wikström, VTT, Finland
- Influence of chemical treatments on the properties of green composites based on hemp fibers and starch B.S. Umuriairwa, GRESPI, France
- Preparation and characterization of actived carbon fibers prepared from liquefied wood Weinjing Liu, Departement of Wood Science and Technlogy, Beijing Forestry Technology, Beijing, China
- Substitution of metal based Materials
- Sven Wüstenhagen, LB Naturstoffkomposite, Fraunhofer-Institut für Werkstoffmechanik IWM, Halle, Germany
- The effect of UV Light and Xenon Lamp on Anti-aging Properties of Recycled Milk-cartons/PE Composite Siding Li Dagana, Nanjing Forest University, China
- Contribution of the enchancement of interfacial behaviour polylactic acid/ Fiber of palm tree date palm by Corona treatment
- Siham Amirou, UR-MPE/LERMAB, University of Lorraine, France
- Development of polymer-hemp composites. PolyChanvre, a cross-border project between France and Belgium Bénédicte Goffin, CÉRTECH, Belgium
- · Mechanical Strength, Thermal Stability and Water Resistance of Injection Molded Bamboo particle-Polypropylene Composites
- Sharil Anuar Bahari, Faculty of Forest Sciences and Forest Ecology, Wood Biology and Wood Products Dpt, Georg-August-University of Gottingen, Germany

How to get to Biarritz?

By car:

From the Airport: Biarritz - Anglet - Bayonne

Direct flight connections to Biarritz Airport from: Paris, Lyon, Clermont Ferrand, Nice,

Dublin, London, Shannon, Bristol, Geneve, Francfort, Copenhague.

The distance between the airport and the city is about 4 kilometres. It is easy to take

a taxi just outside the airport.

From Biarritz train station: Biarritz - La Négresse. The distance between the train station and the city is about

3 kilometres. It is easy to take a taxi just outside the train station. Taken out highway A63 n°4 " The Negress ", Direction "city centre".

Taxis de Biarritz: Tél: +33 559 031 818

The symposium Venue - Le Bellevue - place Bellevue - 64200 Biarritz





The conference venue is located in the town within walking distance from most hotels, restaurants and shopping centre.

Completely renovated in 1999, le Bellevue combines the charm of the Belle Epoque style with modern performance, over two floors.

GENERAL INFORMATION:

Date: September 23-24, 2013

Centre de Congrès Le Bellevue - place Bellevue - 64200 Biarritz Venue:

Airport: Biarritz International and national Airport **Sessions:** Start on Monday, September 23 at 9.00 a.m. Finish on Tuesday September 24 at 4.00 p.m.

French and English. Simultaneous translation will be provided Languages: **Secretariat:** FCBA – Catherine WEBER - BP 227 - 33028 Bordeaux Cedex - France

Tél.: +33 (0)5 56 43 63 80 - Fax: +33 (0)5 56 43 64 78 - E-mail: woodpolymer@fcba.fr

REGISTRATION FEES:

Regular fee Before tax (Inc. VAT) Including gala dinner: € 580 (€ 693.68) Without gala dinner: € 520 (€ 621.92)

Technical Centres and Universities

Including gala dinner: € 460 (€ 550.16) Without gala dinner: € 400 (€ 478.40) Speaker (including gala dinner): € 250 (€299.00) Exhibitor (including gala dinner): € 900 (€1.047.40) € 500 (€598.00)

The registration fee includes coffee breaks, lunches and one copy of the proceedings of the symposium. Extra copies may be purchased at €30 for registered participants, €75 for others.

PAYMENT:

- by cheque payable to "FCBA"
- by credit transfer to: CAISSE D'EPARGNE Ile De France

Bank account of FCBA

Bank Code: 17515 - Branch code: 90000

Account number 08003010258 - 81 Swift code: CEPAFRPP751

IBAN: FR76 1751 5900 0008 0030 1025 881

No credit card please

ACCOMMODATION:

FCBA has selected several hotels located at a 5 - 15 minutes walking distance to the symposium venue.

The number of rooms is limited, so book your room quickly.

More informations on: http://www.wpc2013.fcba.fr/accommodation.html

SCIENTIFIC COMMITTEE:

Chairman: Dr Gilles LABAT

Claudine BLOYAERT - SOLVIN R&T (Belgium)

Asta EDER - Asta Esder Composites Consulting (Austria)

Alvaro TEIADO - TECNALIA (Spain) Philippe HAJJI - ARKEMA (France) **Bénédicte JEZEQUEL** - Silvadec (France) Takeyasu KIKUCHI - WPC Corporation (Japan)

Gilles LABAT - FCBA (France)

Stéphane LAURENT - Rettenmaier Fr. (France) **Laurent MATUANA** - Michigan States University (USA) Mohini SAIN - University of Toronto (Canada) Nicole STARK - Forest Product Laboratory Madison (USA)

Scientific conference - Communications

Dr Gilles LABAT assisted by Véronique Chauvel Registration and logitics: Catherine Weber E-mail: woodpolymer@fcba.fr

> More information on: http://www.wpc2013.fcba.fr/



International Wood Fibre

Bio-based Composites Improving the Environment, Economy and Quality of Life

September 23-24





PROGRAMME Registration before June 21, 2013

□ INTERNATIONAL WOOD FIBRE POLYMER COMPOSITES SYMPOSIUM Bio-based Composites Improving the Environment, Economy and Quality of Life

Objective of the symposium

On overview of recent developments in WPC applied to the construction and furniture industries.

In continuation of our repeating success in the four previous conference events in Bordeaux and the last one in Biarritz, FCBA is pleased to invite you to the 6th edition of the International Symposium on Wood Fibre Polymer Composites, which will take place on September 23-24, 2013, in Biarritz, about 200 km to the south of Bordeaux in France.

The 2013 conference event will focus on opportunities for innovative wood based composites used in Building and Furniture sectors and other sectors contributing to the Green Growth and Bioeconomy.

Benefits for your company

International experts and speakers will present the latest trends and developments in the construction and furniture fields enabling you to enhance your business and target future markets. Don't miss this opportunity to find out what is new in WPC and improve your business

- Participating in the Conference (28 oral presentations), Panel discussions and session poster. Get the full picture on new developments in Europe and the following topics worldwide.
- Taking an active part in the Technical Exhibition over the two days (more than 10 industrial attendees are already registered).
- Building professional relationships with producers and users.

Who should attend

- Producers and suppliers of ligno-cellulosic raw materials and wood (wood flours and fibers, ...),
- Producers and suppliers of natural fibers, raw materials made from renewable resources,
- Producers and suppliers of plastics, recycling plastics, bioplastics, renewable non-biodegradable plastics and additives,
- Producers and suppliers of compounds,
- Producers and suppliers of nano-technologies (MFC, NFC, ...) and reinforcement agents,
- Suppliers of process equipments and technologies,
- Producers and suppliers of WPC (building, construction, furniture, houses equipment, transport and other sectors),
- · Suppliers of coating, surfacing and grafting products,
- Architects, project owners in building and designers,
- Trades, users and consumers,
- Researchers, engineers, consultants, testing laboratories, innovation and Environmental agencies.

Technical Exhibition

Throughout the whole symposium, display your products, technologies and services in the exhibition area: reserve your stand now! 6 sq. m (3x2m) stands, with partitions on 3 sides, table and chairs.

Stands may be installed from 2.0 pm on Sunday September 22. Stand dismantling will take place from 4.00 pm on Tuesday September 24.

For more details, please contact Mrs. Catherine Weber by phone:+33 (0)5 56 43 63 80 or by mail: woodpolymer@fcba.fr and reserve online http://www.wpc2013.fcba.fr/registration.html before June 21, 2013.

Poster session

Take the opportunity to discover additional research topics during the two days conference

Sponsorship

A good opportunity for you to promote your company by including an advertisement in the conference bags, insert your company logo on the welcome slides, the conference banners, in the list of sponsors on our website http://www.wpc2013.fcba.fr/sponsors partners.html Offer: € 500 (€ 598 incl. VAT)

Don't miss these great opportunities! We look forward to welcoming you to Biarritz. Come and enjoy the relaxed atmosphere of the gala dinner



Lech Muszynski, Oregon State University, USA

Li Dagang, Nanjing Forest University, China

• Cross-sectional Stiffness Analysis and Support Span Calculation of WPC Decking

Characterization of particule change during processing of WPC

Laura Teuber, Faculty of Forest Sciences and Forest Ecology, Wood Biology and Wood Products Dpt, Georg-August-University of Gottingen, Germany

Viscolelastic Properties of Poly(lactic acid)/Beech Wood Flour Composites under humidity

Adriana Gregorova, Institute for Chemistry and Technology of Materials, Graz University of Technology, Austria

>> September 24, 2013

08H45 - 09H00 OPENING REMARKS - FCBA

SESSION 2C: REAL LIFE APPLICATIONS OF WPC IN BUILDING, CONSTRUCTION, FURNITURE, DESIGN AND TRANSPORT

• Innovation: Eco-Friendly Cladding & Decking Certified Solutions, Using a New WPC Generation Bernard Voisin and Florence Dumoulin, NEOLIFE, France

Lightweight Hollowchamber Profiles made of WPC

Sven Wüstenhagen, LB Naturstoffkomposite, Fraunhofer-Institut für Werkstoffmechanik IWM, Halle, Germany

• EINWOOD Aluminium Hybrid technology for non decking market

Takeyasu Kikuchi, WPC Corporation, Japan

COFFEE BREAK AND POSTER SESSION

SESSION 2C: REAL LIFE APPLICATIONS OF WPC IN BUILDING, CONSTRUCTION, FURNITURE, **DESIGN AND TRANSPORT (FOLLOW)**

• Powder coating of WPC - a new surface treatment for long lasting outdoor products Sven Wolf, Extruwood GmbH, Austria

• Development of durable, solvent-free water-based coatings for Wood-Polymer Composites (WPC) sidings Arne Schirp, WKI, Germany

• Thermoformable bio-based hybrid Wood for revolutionary design in furniture and home design

Christian Gondard, ISPA, France

• Polypropyleme Composite reinforced with sisal fibers to be used in the automotive industry

Celso Duarte, Ford Motor Company, Advanced Engineering and Performance, Brazil

13H00 - 14H30 LUNCH

14H30 - 15H45 SESSION 5: ENVIRONMENTAL ISSUES

• Life Cycle Management for WPC producers and manufacturers

Oliver Stübs, Dipl. Volksw, SKZ german Plastics Center, Wurzburg, Germany

• Opportunity for recycling construction and demolition waste (C&DW) into WPCs.

Miriam Garcia-Gonzales, Tecnalia, Spain

Performance assessments of biocomposites based on palm fibre or pineapple leaf fibre and polyolefine

Florence Delor-Jestin, Clermont University, ICCF/ENSCCF, France

. Using forest resources to develop high performance plastic compounds for the automotive industry

Ana Rita Campos, PIEP, Portugal

CONCLUSION AND PERSPECTIVES

CLOSE 16Ноо