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For information :
<http://pagora.grenoble-inp.fr> <http://cerig.efpg.inpg.fr>



INTERNATIONAL WORKSHOP

Future of fibre based biomaterials for packaging ?



With the joint effort of TekLiCell

TekLiCell

The international school of paper, print media and biomaterials

461 rue de la Papeterie - Domaine Universitaire - BP 65

F-38402 Saint-Martin-d'Hères Cedex

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8th Pagora Days
July 2-3, 2009 Grenoble

The international school of paper, print media and biomaterials
Grenoble Institute of Technology

Future of fibre based biomaterials for packaging ?

Day 1 : BIOCOMPOSITES & NANO-COMPOSITES

9 h 30 **Key-note introduction**
Biocomposites : new developments & recent advances
Charlyse Pouteau, PEP

Session 1 : Raw materials for biocomposites

10 h 00 **Why using biomass for composite ? Tutorial**
Naceur Belgacem, Grenoble INP-Pagora

10 h 30 **Natural fibres : recent advances ? Tutorial**
Laurent Augier, Fibres Rech. & Dev (FRD)

11 h 00 **Coffee break**

11 h 30 **Biopolymers : new directions in packaging ? Tutorial**
David Plackett, RISOE-DTU, Denmark

12 h 00 **Polysaccharide nanocrystals : new filler for nanocomposites ? Tutorial**
Mohammad L. Hassan, NRC, Le Caire
Alain Dufresne, Grenoble INP-Pagora

12 h 30 **Lunch**

Session 2 : Process for biocomposites manufacturing

14 h 00 **Thermoset biocomposite, processes and examples from industry**
Yves Gardet, Compositec

14 h 30 **Processes of polymer composites : towards the use of natural fibres**
Laurent Orgéas, 3SR - CNRS

15 h 00 **Development of wood fibre reinforced cellular composites within SustainComp - a large collaborative European research project**
Cristian Neagu, EPFL Switzerland

15 h 30 **Coffee break / Poster SESSION**

Session 3 : Biocomposites properties

16 h 30 **Hygroexpansion of plant-based fiber mats for “green” composites**
Pierre Dumont, Grenoble INP-Pagora

17 h 00 **From biocomposite to bionanocomposite, influence of fillers' scale ?**
Gilberto Siqueira, Grenoble INP-Pagora

17 h 30 **Food contact : the state of the art**
Isabelle Desloges, Grenoble INP-Pagora

18 h 00 **TekLiCell platform presentation : cocktail**

20 h 00 **Dinner at La Bastille - Restaurant Chez Le Per'Gras**

Day 2 : FUNCTIONAL FIBRE BASED BIOMATERIALS

Session 4 : Functional fibre for biocomposites

9 h 00 **Water based cellulose fibre modification**
Eliza Zeno, CTP

9 h 30 **Radiation grafting for functionalizing of cellulose, state of the art**
Sophie Rouif, Ionisos

10 h 00 **Active fibre based biopackaging : state of the art and examples from Sustainpack**
Julien Bras, Grenoble INP-Pagora

10 h 30 **Coffee break**

11 h 15 **Round-table:biomaterials for packaging, is there a place for industrial application ?**
Chairman: Naceur Belgacem
V. Coma (USB2), D. Da Silva (FCBA), P. Dole (UMR FARE), F. Bébien (Ahlstrom), M.J. Villette (Tembec), C. Douki de Boissoudy (Novamont), J.P. Kundura (Lu)

12 h 15 **Lunch**

Session 5: Functional coating for fibre based packaging

13 h 45 **Starch based barrier coating, example of a new European project 'FlexpakRenew'**
David Guérin, CTP & Frederic Bébien, Ahlstrom

14 h 15 **Active and anti-microbial coating for biopackaging**
Véronique Coma, USB2

14 h 45 **New polysaccharides for bio-active properties**
Rachel Auzely, CERMAV

15 h 15 **Microencapsulation : new solution for active properties ?**
Naceur Belgacem, Grenoble INP-Pagora

15 h 45 **Conclusion**

16 h 00 **End of workshop**

Please send this form to Julien Bras, before June 2nd, 2009
pagoradays@pagora.grenoble-inp.fr - Fax : + 33 (0)4 76 82 69 33

INFORMATION

Last Name :
 First Name :
 Job title :
 Company :
 Address :
 City :ZIP :Country :
 Telephone :Fax :
 E-mail address :

REGISTRATION FEES (CHECK ONLY ONE)

- Individual participant 500 euros (598 euros, VAT for French companies)
- Multiple registrant 400 euros (478.4 euros VAT for French companies)
(more than one from the same company)
- University staff 200 euros (239.2 euros VAT for French Universities)

This fees include : lecture notes, coffee breaks, lunches and dinner.

Payment options :

- I have enclosed my check for the full amount
- I have made a bank transfer for the full amount (see the bank coordinates below)

Bank coordinates for national payment

Code Banque : 10468 Code Guichet : 02486 N° compte : 29423400200 Clé RIB : 84
Domiciliation : Saint-Martin d'Hères Titulaire du compte : AGEFP

Bank coordinates for international payment

IBAN : FR 76 1046 8024 8629 4234 0020 084 BIC : RALPFR2G
Account owner : AGEFP

Note : we will send you a receipt upon reception of your payment

Please photocopy this form as necessary for multiple registrants

- Contact: **Julien Bras**
 E-mail: pagoradays@pagora.grenoble-inp.fr
- Location: The international school of paper, print media and biomaterials
 441 rue de la Papeterie, University Campus
 38402 Saint-Martin-d'Hères, France
- Registration: To be sent to the attention of Julien Bras at the above coordinates
 (before June 2nd, 2009)
- Fee: See registration form enclosed
- Hotels: Please find below a selection of hotels. You are kindly asked to
 make your own reservation. The prices are indicative.

**** Hotels, downtown Grenoble**

Hôtel des Alpes**

45 Avenue Félix-Viallet – 38000 Grenoble
 Tel : 04 76 87 00 71 Fax : 04 76 47 21 25
 Single 55 € - Double 58 €

Hôtel IBIS Grenoble Centre**

5 Rue Miribel – 38000 Grenoble
 Tel : 04 76 47 48 49 Fax : 04 76 47 78 22
www.ibishotel.com
 Single or double 97 €

HOTEL SUISSE ET BORDEAUX**

6 Place de la Gare – 38000 Grenoble
 Tel : 04 76 47 55 87 Fax : 04 76 46 23 87
 e-mail: info@hotel-sb-grenoble.com
www.hotel-sb-grenoble.com
 Single 50 € - Double 60 €

☺ **Hôtel IBIS Université****

9 Rue de la Condamine – ZI de Mayencin -
 38610 Gières
 Tel : 04 76 44 00 44 Fax : 04 76 51 03 58
www.ibishotel.com
 Single 55 € - Double 88 €

☺ Hotel close to the university campus

***** Hotels, downtown Grenoble**

Hôtel d'Angleterre Tulip Inn***

5 Place Victor-Hugo – 38000 Grenoble
 Tel : 04 76 87 37 21 Fax : 04 76 50 94 10
 e-mail: reservations@hotel-angleterre-grenoble.com
www.hotel-angleterre.fr
 Single or double 110 €

NOVOTEL Grenoble Centre***

7 Place Robert-Schuman – 38000
 Grenoble
 Tel : 04 76 70 84 84 Fax : 04 76 70 24 93
 e-mail: h1624@accor.com
www.novotel.com
 Single or double 135 €

CHÂTEAU DE LA COMMANDERIE***

17 Avenue d'Échirolles - 38320 Eybens
 Tel : 04 76 25 34 58 Fax : 04 76 24 07 31
 e-mail: resa@commanderie.fr
 Single 114 € - Double 139 €

More information about Grenoble :
<http://www.grenoble.fr> or www.grenoble-isere-tourisme.com