

2007 Summer Sessions

**Printed Electronics**  
**Physico-chemical Transfer Phenomena in Printing and Packaging**

80 persons including 20 academics and 25 Ph.D. students are currently doing their research at EFPG, one of the largest academic research centres and teaching organisations for the pulp, paper and graphic arts sectors in Europe.

The research activity covers the whole field from wood (and non-woody plants) to converted and printed paper and board.

The first EFPG Days occurred in 2003. During two days, the attendees benefit from tutorial type reviews on major technical issues and latest research results. The presentations are given in English by EFPG professors and scientists, as well as academic and industrial partners. The themes rotate so as to cover the whole EFPG research activity in 2-3 years.

The 2007 EFPG Days Summer sessions will take place on  
**September 12-13, 2007**

in the EFPG facilities located on the Grenoble University campus, just after the 34<sup>th</sup> International **iarigai** Research Conference.

The following topics will be covered:

- *Printed electronics, co-organised with AFFRST (France-Finland Association for Scientific and Technical Research)*
- *Physico-chemical transfer phenomena in printing and packaging*

The content of the lectures will be specially organised to fit an audience of industry people interested in the specific problems encountered when transferring inks, varnishes or coatings on various substrates, with special attention given to electronics printing.

Time will be left for discussions and exchanges and special care will be taken to make this event most fruitful and enjoyable.

Looking forward to welcoming you to Grenoble next September.

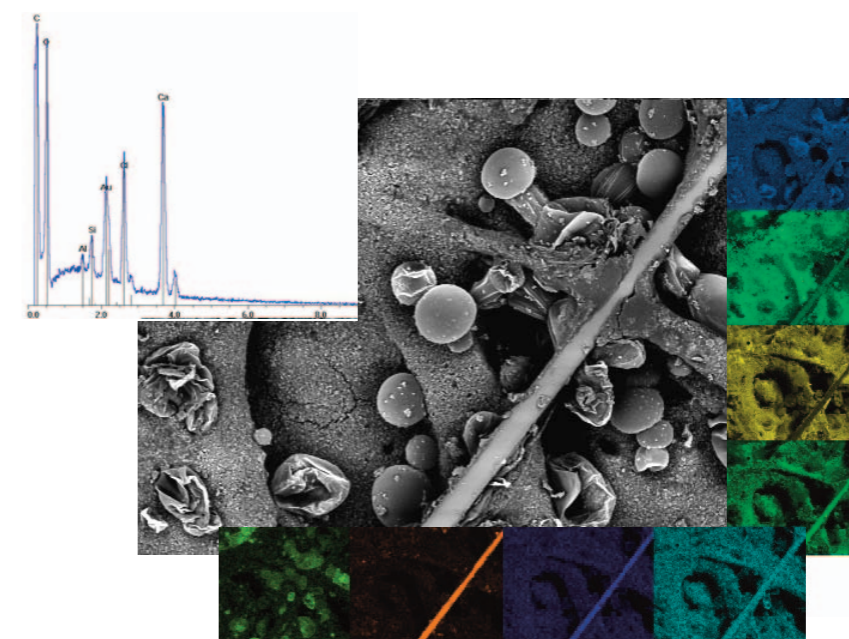
*Dr. Anne Blayo*

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Join us for the  
**EFPG Days**  
September 12-13, 2007



**Printed Electronics**

co-organised with the

*France-Finland Association for Scientific and Technical Research*



**Physico-chemical Transfer Phenomena  
in Printing and Packaging**

**École Française de Papeterie et des Industries Graphiques**  
**Institut National Polytechnique de Grenoble**

- 461, rue de la papeterie ▪ BP 65 ▪
- 38402 Saint-Martin-d'Hères Cedex ▪ France ▪

## The 2007 EFPG Days - September 12-13, 2007

### Printed Electronics and Physico-chemical Transfer Phenomena in Printing and Packaging

#### Preliminary Program

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**September 12, 2007**

« Printed electronics »

**14h : Welcoming**

**Dominique Lachenal**, Head of EFPG, **Charles Murto**, Ambassador of Finland and Representative of the France-Finland Association for Scientific and Technical Research

**14h30 :** *"Printed intelligence \_ Opportunity for New Business"*,  
**Harri Kopola, VTT, Finland**

**15h :** *"Printed electronics circuit designs"*,  
**Gérard Billiot, CEA-LETI, France**

**15h30 :** *"Roll-to Roll Printed Opto-electronic components (OLED, O Solar Cells)"* **Jukka Hast or Markus Tuomikoski, VTT, Finland**

**16h : Coffee break**

**16h30 :** *"Potential of Digital Printing Technologies for Printed Electronics"*, **Paul Piette, CTP, France**

**17h :** *"Industrial applications of Inkjet Printing"*,  
**Kim Eiroma, VTT, Finland**

**17h30 :** *"Printed RFID : State of the art"*,  
**Julien Bras and Anne Blayo, EFPG, France**

**20h : Dinner (Location : Château de la Commanderie - Eybens)**

**September 13, 2007**

"Physico-chemical Transfer Phenomena  
in Printing and Packaging"

**8h30 - 9h : welcoming**

**9h – Key-note lecture:**

*"Introduction on surfaces (papers, polymers...)"*,  
**Naceur Belgacem, EFPG**

**9h40:** *"Liquid properties (inks, varnishes and adhesives)"*,  
**Anne Blayo, EFPG**

**10h10:** *"Interfacial phenomena in coating and printing techniques"*, **Davide Beneventi, EFPG**

**10h40 : Coffee break**

**11h:** *"A new paper fonctionnalization by adsorption of specific organic polymer particles on cellulose fibres"*,

**Pierre Sarrazin, EFPG**

**11h30:** *"Coating curtain for printing and packaging grades"*,  
**David Guérin, CTP**

**12h: Closure of EFPG Days**

**12h 30: Lunch at EFPG**

**14h: Optional visit of EFPG facilities**