

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 34th 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.

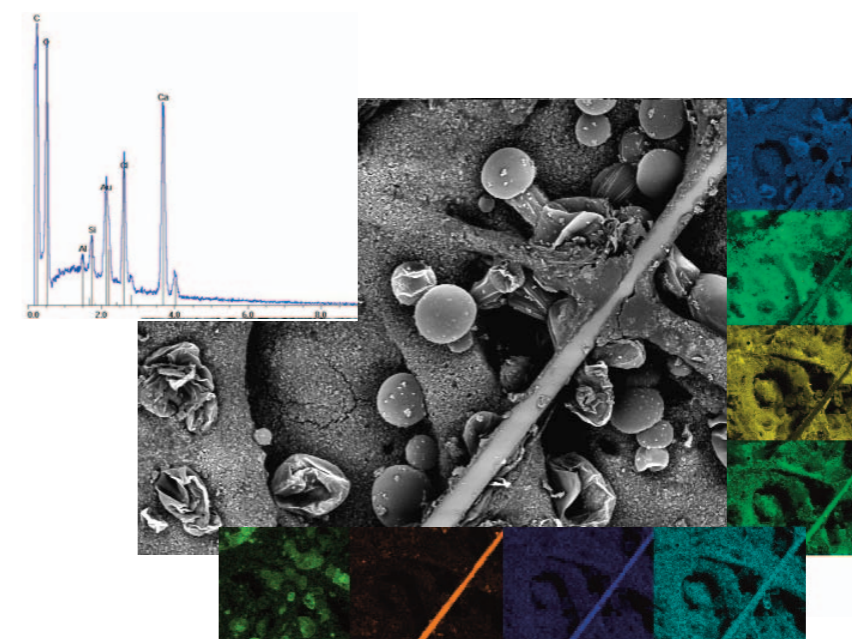
Dr. Anne Blayo

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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

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