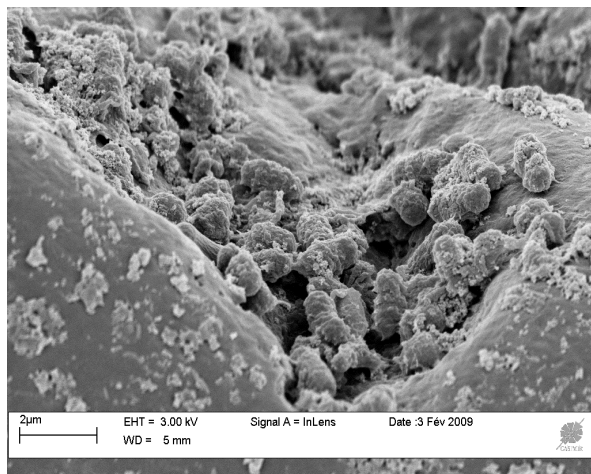


TRAINING COURSE ON OXOBIODEGRADATION

FUNDAMENTAL AND APPLIED ASPECTS OF OXOBIODEGRADATION

April 1st 2010
Aubière (Clermont-Ferrand), France



Bacteria on oxobiodegradable PE

organised by CNEP



in collaboration with SEESIB



Ensemble Universitaire des Cézeaux
63174 Aubière Cedex (France)
(33) (0)4 73 40 53 00

Introduction

This course is the latest of a series of eleven given in French and English.

Purpose of the course

Besides the necessity to extend the service lifetime of polymer materials through the development of efficient stabilizers, many scientists are presently concerned with the second life of uncollected polymers scattered accidentally in the environment or of waste polymers in landfills or in compost.

The prediction of the fate of oxobiodegradable polymers in their first and second lives should be carefully handled since an oxobiodegradable polymer is a complex blend of the polymer matrix, various stabilizers, thermoinducers and eventually photoinducers, fillers, dyes and pigments.

For more than 20 years, CNEP* has been applying the concepts of photochemistry to rationalise the behaviour of polymer materials observed during their lifetime.

Its approach, based on the precise knowledge of the chemical mechanisms of both degradation and stabilization of most polymer families, is today largely accepted at the national and international level. It has been extended to different ageing processes including thermoageing.

The unique association of CNEP with well known French research laboratories developing, on the same campus, research on polymer photoageing (LPMM)** and bioconversion of organic materials including polymers (SEESIB)*** and its strong connections with tens of companies interested by the controlled degradation and the final bioassimilation of oxobiodegradable polymers has been generating a rich experience both at the fundamental and the applied level.

Next April 1st, CNEP will organize a one day meeting devoted to the fundamental and the applied approach of oxobiodegradation including the research to create adapted standards for oxobiodegradability assessment.

- * **Centre National d'Evaluation de Photoprotection**
National Centre for the Evaluation of Photoprotection
<http://www.cnep-ubp.com>
- ** **Laboratoire de Photochimie Moléculaire et Macromoléculaire (UMR CNRS 6505)**
Laboratory of Molecular and Macromolecular Photochemistry
<http://www.univ-bpclermont.fr/LABOS/lpmm>
- *** **Synthèses et Etudes des Systèmes à Intérêt Biologique (UMR CNRS 6504)**
Laboratory of Synthesis and Studies of Systems with Biological Interest
<http://seesib.univ-bpclermont.fr>

Program

- 9:00-9:10 OPENING
[Prof. Jacques LACOSTE, CNEP/LPMM]
- 9:10-10:40 PREDICTION OF THE FATE OF OXOBIODEGRADABLE POLYMERS IN ABIOTIC CONDITIONS
[Prof. Jacques LEMAIRE, CNEP]
- 10:40-12:00 EXPERIMENTAL EVALUATION OF THE ACQUIRED BIODEGRADABILITY OF OXOBIODEGRADABLE POLYMERS
[Dr Anne.Marie DELORT, SEESIB]
- 12:00-14:00 LUNCH
- 14:00-15:30 STATE OF ART OF EUROPEAN STANDARDS ON OXOBIODEGRADABILITY
[Prof. Gerald SCOTT, UK]
- 15:30-16:30 ROUND TABLE
- 16:30-16:45 BREAK
- 16:45 CNEP and SEESIB VISITS and/or INDIVIDUAL INTERVIEWS WITH SPEAKERS
- 20:00 DINNER

Who should attend ?

The following program is specially designed for young or experimented engineers involved in the controlled degradation of polymers. Few PhD students can also be registered.

Teaching

The course language will be English. All lecturers have been asked to remember that English will not be the first language of many participants. The course will consist of formal lectures with questions and possible individual interviews with speakers. The course fee includes a manual containing all lecture material.

Organisation

The course is organised by CNEP,
24 avenue des Landais, BP 30234
F 63174 AUBIERE Cedex
***N° de déclaration d'activité de prestataire de formation 83 63 04003 63**
(French attendants)

Contact : Prof. Jacques LACOSTE

Centre National d'Evaluation de Photoprotection
Phone : (33) (0)4 73 40 78 51
Fax : (33) (0)4 73 27 59 69
Mail : j.lacoste@cnep-ubp.com
<http://www.cnep-ubp.com>

Fees and registration

The fee for the course is 480 €* inclusive of VAT at 19.6% till March 1st 2010. Extra surcharge of 60 € after March 2nd 2010. Included in registration fees : copy of proceeding, refreshment lunch and dinner. Not included hotel accommodation or other meals. The fee must be paid before March 15th 2010. A limited number of registrations will be available for PhD students at a reduced fee of 120 € inclusive of VAT.

Payment may be made by :

- **Bank transfer**, net of all charges, to
Crédit Agricole Centre France

International Banking Account Number : IBAN	
FR 76	16806051005101616800 052
BIC	AGRIFRPP868

- or **Bank cheque** at CNEP and addressed to **CNEP**
Service Comptabilite – B.P. 30234
F 63174 AUBIERE Cedex – France

List of hotels

(short list with tramway access to CNEP; stop "Margeride")

- *** Inter Hotel des Puys, 16 place Delille, 63000 Clermont-Ferrand, (33) (0)4 73 91 92 06
- *** Mercure Centre, 62 Bd François Mitterand, 63000 Clermont-Ferrand, (33) (0)4 73 34 46 46
- *** Holiday Inn Garden Court 59 Bd François Mitterand, 63000 Clermont-Ferrand - (33) (0)4 73 17 48 48
- ** Marmotel (special rate for meeting), 18 bd Winston Churchill, 63000 Clermont-Ferrand, (33) (0)4 73 26 24 55
- ** Inter Hôtel République, 97 av de la République, 63000 Clermont-Ferrand - (33) (0)4 73 91 92 92

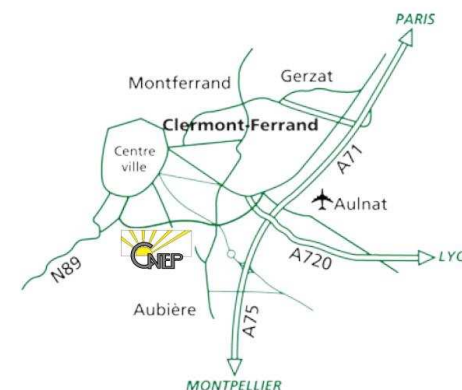
Others: <http://www.hotels-clermont.com>

Course location

Clermont-Ferrand (Aubière) is a major French city with easy access from the rest of Europe by air, rail and road.

The course will take place at CNEP, Ensemble Universitaire des Cézeaux 24 avenue des Landais, F 63174 Aubière
Phone : (33) (0)4 73 40 53 00
Fax : (33) (0)4 73 27 59 69

Maps :



See also : <http://maps.google.fr/> (type CNEP)

TRAINING COURSE ON OXOBIODEGRADATION

**FUNDAMENTAL AND APPLIED ASPECTS OF
OXOBIODEGRADATION**

**April 1th 2010
Aubière, France**

Please send or fax this form as soon
as possible to :

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CNEP
BP 30234
F 63174 Aubière cedex
Tel. (33) (0)4 73 40 78 51

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