



Société Chimique de France

4th national conference

Organized by the Group
«*Thermal degradation and fire behavior of organic materials*»
Of the Société Chimique de France

« Adequation between flame retardant solutions and industrial constraints »

11th and 12th March 2015

**Université de Lorraine
IUT de Moselle-Est
Saint Avold - FRANCE**

<http://gcf-scf.lmops.univ-lorraine.fr/>

OBJECTIVES

Improvement of fire behavior of organic materials requires the incorporation of flame retardants into these materials. Flame retardants have different sizes, shapes and natures. The way of incorporation of flame retardants in thermoplastic, thermosetting or expanded polymers is different. In some cases, incorporation of flame retardants involves the development of new process methods. The industrial constraints for production of flame retarded plastics are different: process, compatibility, regulation, health/toxicity, cost...

The 4th national conference of the group "thermal degradation and fire behavior of organic materials" will be organized on three half-days. Industrial and academic experts will present their solutions and/or problems related to fireproofing of organic materials. Various topics will be discussed: process, normative and regulations aspect, technical solutions ... This conference aims to bring together all the key players in the field of fire retardancy: flame retardants manufacturers, compounders, end users, regulators,...



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ORGANIZING AND SCIENTIFIC COMMITTEE :

ACOME: C. LAGREVE
Plastinnov : F. FRADET
ARDI- Rhône-Alpes: M. LEFEBVRE
Ecole des mines d'Alès : JM. LOPEZ-CUESTA et L. FERRY
LIST: A. LAACHACHI
Université Blaise Pascal: JL. GARDETTE
LNE: C. CHIVAS-JOLY
Université de Corse: T. BARBONI
Université de Lorraine: M. FERRIOL, M. COCHEZ et H. VAHABI

11th March 2015

- 13:00 Welcome
- 13:15 General Introduction
- 13:30 Industrial constraints and regulations
Jurgen Troitzsch- Fire and Environment Protection Service (FEPS), Germany
- 14:10 Commercial flame retardant solutions for industrial applications
Lein Tange- European Flame Retardants Association, Belgium
- 14:35 Flame retarded plastics from agricultural byproducts
Fouad Laoutid- Materia Nova, Belgium
- 15:00 Discussion & coffee break
- 15:25 Additive or reactive flame retardants? synthesis of new phosphorus FRs
Claire Negrell- Ecole de chimie de Montpellier, France
- 15:50 Perspectives and limits of loaded /flame retarded resins, using RTM
Aurélie Albert- Pole de Plasturgie de l'Est, France
- 16:15 Introduction of new industrial flame retardant substances and constraints: a producer experience feedback
Pierre Cardin- THOR, France
- 16:40 Discussion
- 17:15 Annual general meeting of the group «Thermal degradation and fire behavior of organic materials» Of the Société Chimique de France

12th March 2015

- 8:30 Welcome
- 9:00 Flame retardant non-halogen cables- 4 generations of cable compounds to improve char and heat release feu
Günter Beyer- KABELWERK EUPEN, Belgium
- 9:30 Improvement of the fire behaviour of textiles: industrial characteristics and constraints
Stéphane Giraud- École des arts et industries textiles, France
- 09:55 Flame retarded polymer, Layer by Layer coating
Abdelghani Laachach- LIST, Luxembourg
- 10:20 Discussion & coffee break
- 10:50 Fireproofing of wood: Process constraints, expected performance and suitability for fire regulations
Jean-Baptiste Aurel, Woodenha, France
- 11:15 Silicone technologies serving the flame
Vincent Rerat- Dow Corning, Belgium
- 11:40 Technology transfer to industry: Flame retardancy of polymers
Frédéric Fradet, Plateforme technologique Plastinnov, France
- 12:00 Lunch
- 13:40 Improvement of fire behavior of loaded resin for rail transport
Julien Kiehl- MADER, France
- 14:05 Fireproofing of plastics in regulatory frameworks: from product development to industrialization
Skander Khelifi- CREPIM, France
- 14:30 Performance of intumescent formulations applied to polyolefins
Claire Bouvy, Total Research & Technology Feluy, Belgique
- 14:55 General discussion
- 15:40 End of the conference

CONFERENCE REGISTRATION FORM

please return **Before 20th February 2015**

Name:.....First Name:
Function:.....
Society:
e-mail:
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REGISTRATION TO BE RETURNED TO::

Henri VAHABI

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Conference location: same address as above



Map (clic): [Chemistry department in Saint AVOLD](#)

REGISTRATION FEES :

Fees including full conference participation, the authority for downloading the presentations on the internet as well as coffee and lunch breaks

	Before 20th February	After 20th February
Full Price	125 €	160 €
Students	90 €	110 €