

Call for Papers

We invite authors to contribute with original papers related to the topics of the congress. The submitted abstracts will be subject to peer review. Papers accepted for oral presentation will be given 20 minutes presentation time.

Authors are requested to send their abstract proposal by e-mail as attachment (Word file) to: Mrs Julia GROLERE: 2015recycling@gmail.com, using the template which can be downloaded on <http://www.ffc-asso.fr/colloques/recycling-2015>

Deadline for abstracts: **15 December, 2014.**

Acceptance communicated no later than **15 January, 2015.**

Registration will be mandatory to present communication(s).

Registration Fees (VAT included)

Industry	550€
Academic, FFC, SECF, SF2M & SFGP Members	450€
Students	220€
Students presenting a communication (oral or poster)	120€
Technical visits fees	50€

Registrations will only be effective on receipt of the registration fees, or an order form.

Registration includes admission to all conference, detailed program, book of abstracts, list of participants, lunches and coffee-breaks.

Cancellation

In order to be entitled to a 50% refund on registration fees, all cancellation must be received by registered letter before 20 February, 2015.

Contact

Mrs Julia GROLERE
FFC - 28, rue Saint-Dominique - 75007 PARIS, France
Tél: +33(1) 53 59 02 16 - Fax: +33(1) 45 55 40 33
E-mail : 2015recycling@gmail.com

Fédération Française pour les sciences de la Chimie (FFC)
28, rue Saint-Dominique - 75007 PARIS - France
www.ffc-asso.fr/colloques/recycling-2015



Crédit photo : © CNRS Photothèque / Laurence MEDARD, ArcelonMittal, Paul Vidal de La Blache.
BIPRINT Tél.01 78 80 37 24 - RCS 791 681 547 - 12/2014.

Recycling 2015

A Challenge for Chemistry



www.ffc-asso.fr/colloques/recycling-2015
METZ - FRANCE
16-18 March, 2015



FÉDÉRATION FRANÇAISE
pour les sciences de la Chimie



Partnership:



RECYCLING 2015 :

A Challenge for Chemistry

16 – 18 march 2015, Metz, France

Objectives

The common linear model «produce, consume, discard» has reached its limits. The transition to a circular and economical model should be accelerated. This does not only mean that we have to think in terms of «secondary raw materials» but also in terms of «saving of materials». It consists in the modification of the models of production, via the increase of the life of the raw material, the invention of new marketing models and the development of models of savings which generate value loops with the same raw materials.

The consciousness of these obligations leads to:

- the adoption of ecoconception processes by developers and manufacturers of industrial products and, in particular, the development by chemists of molecules and products which facilitate reusing and recycling of products.
- developments in order to analyse and characterize products which will be processed a second time.
- the multiplication of technologies that enable to transform industrial and/or special waste into new sources of «renewable» raw materials.

Chemistry and process engineering play a major part in the economy of recycling. Collaboration between scientists and converters in the field of recycling should create the conditions for the development of innovation in this sector. Following the first successful conference which took place in 2012, the FFC in relationship with 2ACR, will organize the second conference «Recycling 2015, A Challenge for Chemistry» which will take place in Metz on 16, 17 and 18 March 2015, and will welcome participants from various countries.

This scientific conference aims at facilitating involved industrial companies and researchers to have fruitful exchanges about recent developments about:

- scientific, technological, economical and sociological obstacles to set up new projects.
- needs and opportunities for innovation in this sector.

This international conference is supposed to gather chemical scientists and researchers, process and biotechnology engineers, either public or private and the concerned industries.

Scientific Committee

Président: Maurice LEROY, FFC

ARCELORMITTAL, Philippe RUSSO
AREVA, Pierre FORBES
CEA, Stéphane PELLET-ROSTAING
ChimieParisTech, Anne VARENNE
FFC, Michel AZEMAR

INSA LYON/GFP, Jean-François GERARD
RECUPYL, Farouk TEDJAR
RWTH Aachen University, Thomas PRETZ
SAINT-GOBAIN, Patricia ANDY
SCHNEIDER ELECTRIC, Brigitte OHL
UIC / 2ACR, Claire DADOU-WILLMANN
VEOLIA Institute, Georges VALENTIS

Steering Committee

ChemSud, Sylvain CAILLOL
ENSC LILLE, Sophie DUQUESNE
FFC, Catherine BEC
SARP Industries, Pascal MULLER
SECF, Claude MORDINI

SF2M, Jeanne CHONÉ
SFGP, Patrice MEHEUX
SOLVAY, Gérard MIGNANI
TEAM², Arnaud PARENTY
Toulouse III University, Maurice COMTAT

Agenda

Monday, 16 March, 2015 - 14:00

Visit to a local manufacturing and recycling company (optional and limited)

Tuesday, 17 March to Wednesday, 18 March, 2015

Conferences and poster sessions

Program

Scientific talks and posters will cover the following themes

Session 1

Session 1: General overview, what is at stake? Which actors? Which market?

Examples: • Environmental and health impacts

- Strategic independence
- Social and industrial acceptability
- The key players (industrial companies, institutes, etc...)
- Economic challenges

Session 2

Session 2: Which methodologies? Which obstacles? What are the unmet needs?

Examples: • Ecodesign, Life Cycle Analysis

- Value in use, value of recovery
- Regulations (Grenelle, Reach...)
- Circular economy

Session 3

Session 3: Which processes? Which techniques? Which technologies?

Examples: • Chemical, physical and biological approaches

- Extraction, separation and purification techniques
- Thermo chemical valorization
- Recycling of metals
- Recycling of polymers (re-use, depolymerisation...)
- Recycling of catalysts
- Adding value to byproducts

Session 4

Session 4: What are the methods and techniques of characterization of products? Which traceability?

Examples: • The contribution of chemical analysis

- On-line characterization
- Traceability

Session 5

Session 5: How to design molecules and products which could be easily valued at the end of life?

Examples: • The point of view of the designer, the converter, the recycler, the constructor

- Which new products and materials?

Session 6

Session 6: Which consequences for human resources?

Examples: • Health and safety

- Education
- Training

Synthesis and Conclusions