

**International Congress
POLYMERIC MATERIALS & the TRANSPORT INDUSTRY:
« A key contribution to mobility and weight saving »
IMT Lille Douai (France) - 31 May and 1st June 2017**

With the support of  **i-trans**
CATALYSEUR D'INNOVATION

Call for papers

The **SFIP** – Société Française des Ingénieurs des Plastiques – and **IMT Lille Douai**, in partnership with **GPA**, Groupement Plasturgie Automobile, again join forces to organize this congress, devoted to plastics and polymeric materials.

These materials contribute significantly to weight saving and therefore to carbon footprint reduction in the field of transport especially in the **automotive and aerospace domains, as well as railways and urban transport systems**.

The challenge is to reach the best cost-mass-performance ratio to fulfil the new environmental requirements and to provide people with mobility, combining comfort and safety.

Furthermore, these materials are constantly improving thanks to developments in raw materials and associated processing technologies, as well as virtual engineering tools. New designs are created and new applications emerge thanks to a better control of the “materials/processes/products” approach and to the “conception-design/process/performance characterisation and control” chain.

The **SFIP**, in cooperation with **IMT Lille Douai**, has promoted these significant changes for many years.

During these two days, international researchers and industry professionals will meet and share their knowledge and experience, regarding the following four main themes:

1 – Material innovations: new solutions, new outlooks

- New innovative polymer materials, with high toughness, high or very low temperature resistance, high fluidity (for parts with thinner walls); electroactive, conductor of electricity, transparent, translucent
- Lightweight materials, cellular materials/foams
- Bio-sourced materials with high functional performances
- Materials for semi structural parts, reinforced polymers

2 – Processing innovations: new technologies, new upgraded processes

- Manufacturing of parts for industrial production (small, medium, large scales)
- Multi-material injection moulding, over moulding (metal inserts, composite inserts, textiles) hybrid assemblies, sandwiches
- Additive manufacturing

3 – Conception and design innovations: virtual engineering, modelling, simulation

- Simulation of assembly and manufacturing processes
- Mechanical, thermal and acoustic behaviour prediction computations
- How to design to achieve weight savings?

4 – Product innovations: towards new applications

- Body panels, interior trimmings, passenger compartments, seats, mechanical and safety parts

All companies or individuals interested in submitting a paper, are requested to use the form on pages 2 and 3 and to send their proposal **no later than January 13, 2017**

Scientific and organizational committee :

IMT Lille Douai : P. Krawczak, D. Rémy SFIP : A. Giocosa, C. Sohm	GPA : A. Cornilleau CNEP : X. Duteurtre	Borealis : C. Salles Groupe Renault : L. Gervat	PSA Groupe : L. Béchu i-Trans : A. Boulard
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Submission form / Call for papers
To be sent by January 13, 2017

Speaker:

Company:

Title:

Forename:

SURNAME:

Position:

Full address:

Phone:

Cell:

E-mail:

Co-speaker ☐

co-author ☐

Company:

Title:

Forename:

SURNAME:

Position:

Full address:

Phone:

Cell:

E-mail:

Co-speaker ☐

co-author ☐

Company:

Title:

Forename:

SURNAME:

Position:

Full address:

Phone:

Cell:

E-mail:

Title of the paper:

Have you presented / given this paper before? And if so, where and when?

Presentation:

- 20 minutes will be allocated for each presentation and 5-10 minutes for questions/answers.
- Presentation language: French or English.
- **Slides in English** (with maximum one slide dedicated to company presentation and one for portfolio).

Abstract of one A4 page maximum, to be inserted in page 3.

An exhibition will be held during both days:

- * We wish to have a booth on site and require information about it: Yes ☐ No ☐
- * We wish to be sponsor: Yes ☐ No ☐

Please fill in pages 2 and 3 of this document and send them by January 13, 2017 to:

chantal.sohm@sfip-plastic.org

SFIP – Le Diamant A – F-92909 Paris la Défense Cedex – Tel. +33 (0)1 46 53 10 74

Attention:

– All companies selected by the organizers undertake to present the paper on the day of the congress.

- Our speakers are invited to the conference days including breaks, lunches and dinner (at their expense: travel and accommodation during the conference).
- In the case of a double presentation (two speakers) of the same company, only one speaker is free of participation fee.

Title of the paper:

Abstract :

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