

# +Composites News

Awareness and Transfer of Innovation in Composites Materials

## +Composites International Forum 2012 Page | 1 Register now!

### NEWS



The +Composites team looks forward to welcoming you to their 2012 International Forum, a [free of charge](#) informative day of [presentations, workshops and business meetings](#).

[+Composites](#) is a project that brings together competence centers from six regions of North-West Europe (NWE) to **reinforce innovation and technology transfer** in composite materials among companies through **training, networking and market watch activities**.

On **December 6, 2012**, [Luxembourg](#) will play host to the +Composites International Forum. Organised by the +Composites team, this one day event is dedicated to **knowledge transfer in the design, application and**

**recycling of composite materials** in the **transportation** (automotive, locomotive and aeronautic) and **equipment goods** sectors.

### Testimonials and Case Studies from Industry Leaders

This event will give **entrepreneurs, research and innovation professionals and materials engineers** the opportunity to hear **testimonials and case studies** from senior executives of **leading international companies** on the growing importance of composite materials in their development programmes.

### Practical Workshops and Presentations

Through [thematic workshops and presentations](#) on the **advantages and challenges** linked to the use of these materials, equipment manufacturers and research centres will share their **practical experience** on a number of topics related to composite materials including

- their design
- the development of the organic sector
- their implementation
- compliance with regulations
- quality control
- their life cycle

### One-to-one Business Meetings

Interested in meeting **potential partners** or launching an **innovative new project**? Then be sure to sign up for the **one-to-one business meetings** that will be organised throughout the day.

**Find more practical information:**

<http://forum.pluscomposites.eu>

#### WATCH PLATFORM ACTIVITIES

### **Do you want to have access to key articles on the composite materials market? Discover the +Composites business intelligence platform!**

On this platform, you will find all pieces of information you need to succeed in the composite materials market. Indeed, the platform offers an access to the latest news on upcoming events in the field of composites, to qualified websites that will provide further knowledge on the topic and last but not least to the latest news on the composite materials market.

465 articles are already on line. In order to be usable by the great majority of companies, the access to the platform is free and available in English, German and French. More than 350 people already registered! Join the composite materials community!

#### TRAINING PLATFORM ACTIVITIES

### **News of the +Composites Training Platform**

Sandra Grunewald, Public Research Centre Henri Tudor, wrote for the training platform a review article about the education system for jobs in composite sector in Luxembourg. With existing articles from Germany and France, the series is almost complete. In the near future, the education system in Belgium will be considered as well as cross-border educational opportunities in the area of composite materials.

Three new courses from +Composites partner GRETA are currently proofread and translated. The first course is on beginner level and focuses on the thermoset matrix and the associated reinforcements. The other two courses are for advanced readers and explain production techniques for individual products and small series as well as for medium and large batches. For the first time short video clips will be included in these courses. The publication on the training platform is planned in late 2012. Register for free on the training platform and you will receive an email when it's time.

## BUSINESS CLUB ACTIVITIES

### Are you part of +Composites online Business Club?

+Composites will launch during the International Forum 2012 a new activity: the online Business Club.

This Club is created for **SMEs** interested in getting in touch with other companies through the **professional network** that +Composites is currently developing.



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On this members-only platform you can:

- View all **member profiles** and learn more about those featured under **'In the Spotlight'**
- Get in contact with other members through a **trusted regional intermediary**
- Access a **technology transfer database** focused on composites materials

As a member you also have access to the +Composites [Business Intelligence Platform](#) and [Training Platform](#).

Not a member yet and **interested in joining**? You can preregister yourself just by filling out the [online application form](#).



**IN THE SPOTLIGHT****Photonic and Smart Systems**

Multitel, Centre for Research and Innovation located in Mons hosted, on October 3<sup>rd</sup>, 2012, an event on the theme of "**light and smart systems**". This event was organized with the support of network +Composites, which brings together European competence centers with the support of the INTERREG IVB North West Europe, in order to facilitate access to the SMEs to the composites market.

These markets are promising and strategic for the economy. Indeed, composite materials, known for their strength and lightness are a response to the carbon footprint, transport and green energy with wind turbines. Composites are also a key element of future goods. Uncertainties related to aging, safety and maintenance remain. Optical sensors and optical measurement devices are a non-destructive solution to these questions and contribute to the innovation and intelligence of the products of tomorrow.

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Visitors were able to explore different laser engraving technologies demonstrators, THz imaging and integration of optical sensors. For participants who expressed real satisfaction, organizers plan to renew this event on similar topics, both Wallonia (Liège and Tournai), and beyond our borders (Luxembourg, Nancy ...).

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**Composites: towards a technological Change**

The 2<sup>nd</sup> **Seminar +Composites "Being a small business and succeed in composites!"** was held on November 8<sup>th</sup>, 2012 by +Composites project at the Chamber of Trades. Luxembourg has allowed participants from ten SMEs and research centers to expand their knowledge during an open session to the world of innovation.

Awareness and real meeting place to exchange experiences and recommendations on the use of composite materials, this event brought together professionals in the field, seeking for information on technological change in their society.

A state of the art in the field has been developed during the event and technological changes were discussed. Topics related to composite materials have been addressed, including:

- The issues, actions and business tools of +Composites, a project serving companies treated by Emmanuel Bidaine from the Public Research Centre Henri Tudor. Mr. Bidaine spoke in particular of composites market and its economic impact in the context of climate and energy challenges in Europe. The speaker had a particular emphasis on the stimulation of

technology transfer, SME awareness on issues of composite materials and support provided by the project towards this transfer.

- The eco-composite materials with specific characteristics that contribute to reducing the environmental impact caused by human activities. Dr. Estelle Bretagne, University of Picardie Jules Verne de Amiens, Picardie-France, emphasized that the replacement of traditional polymer composites with substitutes that have a low impact on the environment will respond to new technological challenges faced by businesses.

- The technology in the composites market and its opportunities treated by Didier Garray, Technical Centre SIRRIS - Wallonia. Composite materials are very specific compared to other "classic" materials, and they are often used to replace metal materials reducing the weight of some parts, but can also be used to create new objects.

Based on this positive experience, the cycle of awareness +Composites seminars will continue with an International Forum held in Kirchberg on December 6<sup>th</sup>, 2012.

Other seminars addressing technical issues related to composite materials will take place in the current of the year 2013.



FEATURED PROJECT PARTNERS

**INM - Leibniz Institute for New Materials**



**Main activity:**

INM is focused on the research and development of materials – for today, tomorrow and the future. Chemists, physicists, biologists, materials and engineering scientists shape the work at INM. From molecule to pilot production, they follow the recurring questions: Which material properties are new, how can they be investigated and how can they be used in the future?

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INM -Leibniz Institute for New Materials, situated in Saarbrücken /Germany, is a leading centre internationally for materials research. It is a scientific partner to national and international institutes and a provider of research and development for companies around the world. INM is an institute of the Scientific Association Gottfried Wilhelm Leibniz and employs around 190 collaborators. Its main research fields are Chemical Nanotechnology, Interface Materials, and Materials in Biology.

**Address:**

INM - Leibniz Institute for New Materials  
Campus D2 2  
66123 Saarbrücken  
Germany



## MULTITEL



Multitel is a research centre in scientific technology supported by a multidisciplinary team that includes engineers and technicians, as well as a sales structure. Its aim consists in developing and implementing innovative projects in collaboration with local and international companies.

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Multitel's scientific skills include voice technologies, data fusion, optic fibre applications (e.g. sensors embedded into textile fabrics, polymers and foams, non invasive methods for health structural monitoring), image processing, and computer network management. Besides its research & development activities, Multitel offers services in optics and telecom, and in company computer networks.

**Address:**

Multitel  
Rue Pierre et Marie Curie, 2  
7000 Mons  
Belgium



REGIONS

## Saarland – Day of developers and designers' in automotive industry

On October 30<sup>th</sup>, 2012 automotive.saarland in cooperation with the Association of Metal and Electrical Industry Saarland eV (ME Saar) invited around 120 participants to a forward-looking technology symposium on the topics of design and development. It was hosted by the BMW dealership Saar-Pfalz in Kirkel /Saarland.

Top speakers from industry, research institutes and development managers of the Saarland automotive industry reported on innovative production methods and trends in lightweight structures, CO2 savings and modern mobility concepts.

In the accompanying exhibition presented suppliers and service their products and services. +Composites campaigned at a booth for the +Composites International Forum 2012 and answered questions from the field of composite materials.



## ANNOUNCEMENTS



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## UPCOMING EVENTS

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### Agrocomposites Europe 2012

Mr. Yamane, Deputy General Manager, Sustainable Resources Business Development Department, Mitsubishi Chemical Corporation, will open the 5th edition of AGROCOMPOSITES EUROPE Workshops the November 22<sup>nd</sup>, 2012, in Saint-Quentin (Picardie-France).

The exceptional attendance of MITSUBISHI and EUROCOPTER shows the increasing interest of the international principals to the agrocomposite materials.

Complete program and system of registration on-line:

[www.agrocomposites-europe.com](http://www.agrocomposites-europe.com)

December 2012

### Composite materials - Towards technological renewal

The partners of the +Composites project will host the **2012 +Composites International Forum** on December 6<sup>th</sup>, 2012 in Luxembourg. The +Composites project aims to encourage technology transfer in composite materials among SMEs in North West Europe (NWE) and is made up of 12 partners specialised in the field of composite materials from six regions of NWE. The Public Research Centre Henri Tudor is the representative for Luxembourg.

The 2012 +Composites International Forum will allow professionals to discuss their experiences and questions with leaders from major international companies in the industry and their suppliers, as well as research centres active in the domain of composite materials. This event specifically targets professionals including business leaders, research and innovation managers, materials engineers, training managers, and production managers, among others.

The 2012 +Composites International Forum serves as a unifying and informative event with presentations, workshops and B2B meetings focused on the design, use, and recycling of composite materials in the fields of transportation (car, rail, aviation) and capital goods.

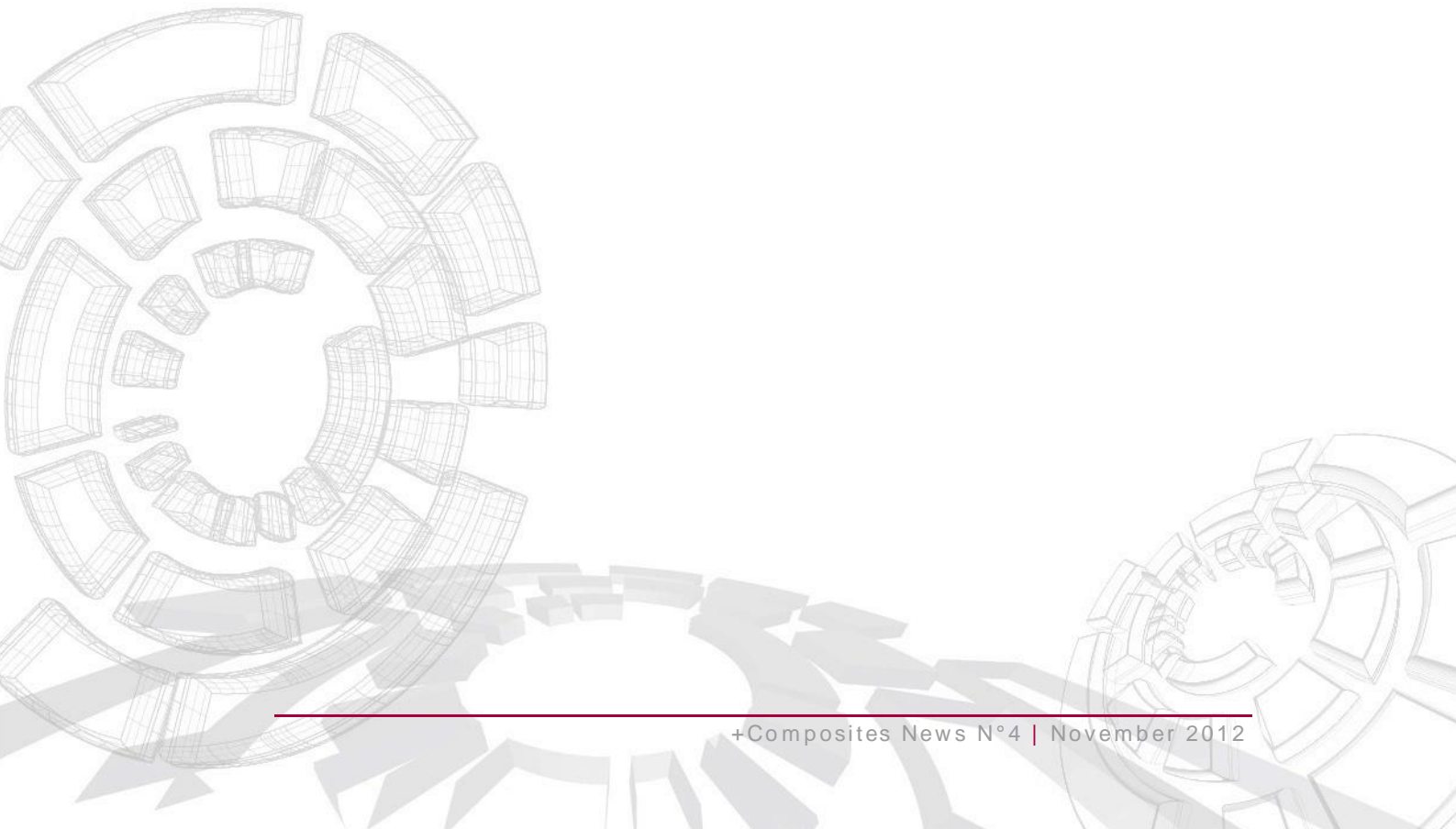
The composite materials domain is rapidly developing and offers real opportunities for many applications. There are a number of questions frequently asked by those entering the field, but the solutions are not always well known. Answering these questions is a main goal of the 2012 +Composites International Forum.

Approximately 280 participants are expected to participate in the event.

JEC Group is partner of the event.

The full conference program and registration details are available on the conference.

Website: <http://forum.pluscomposites.eu>.





**YOUR REGIONAL PARTNERS**

**Lorraine**

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**Luxembourg**

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**Picardie**

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