

About Sector Group Materials

The Sector Group is a cornerstone in the Enterprise Europe Network (EEN) enabling innovations and building bridges between material research and supply and the other sector groups. The Sector Group Materials connects active research, technology and business partners in the wide diversity of the materials sector.

Content

- [Cooperation Offers and Partnering Opportunities](#)
- [News from the SG](#)
- [Upcoming Events](#)

Dear Reader,

The Sector Group Materials would like to inform you about the upcoming brokerage events and fairs related to the materials sector. This edition also contains the latest cooperation profiles in the field of materials science and business.

Furthermore, we would like to inform you that this will be the last edition of the SG Materials newsletter. We would like to thank you for your support. Please contact your local EEN Partner to stay updated about the latest events and business opportunities in the materials sector.

Enjoy reading this newsletter,

Your Sector Group Materials



Upcoming Brokerage Events

THE FUTURE OF MATERIALS SUMMIT
– 13th – 14th Nov 2017 (Luxembourg, BE)

Meet & Match Event Precision Fair 2017 – 15th–16th November (Veldhoven, NL)

Formnext – 14th - 17th November 2017 (Frankfurt, DE)

International Machinery and Plant Engineering Forum 2017 – 28th November 2017 (Vienna, AT)

CERÁMICA INNOVA – 6th Technology-Business Networking Event, 5 – 9 Feb 2018 in (Valencia, ES)

R+T 2018 – 27th February - 1st March 2018 (Stuttgart, DE)

Ecobuild Matchmaking 2018 – 7th March 2018 (London, GB)

SYNERGI 2018 - Research2Business Matchmaking – 8th March 2018 (Amsterdam, NL)

[For detailed information, see p. 3.](#)

EU NEWS

Horizon 2020 Work Programme 2018 - 2020 published

The European Commission has released the final Work Programme for Horizon 2020, covering the budgetary years 2018, 2019 and 2020 and representing an investment of around €30 billion. The new features include measures to support market-creating innovation, highly integrated activities called focus areas, emphasis on better dissemination of results and a focus on open access to data. The Work Programme introduces measures to support market creating innovation, through a first phase of a European Innovation Council (EIC). Source: [European Commission](#)

SME Instrument: 2123 proposals seek funding under Phase 2

The European Commission received 2123 proposals for SME Instrument Phase before the latest cut-off date on 18 October 2017. SMEs that seek funding under SME Instrument can receive from € 0.5 to € 2.5 million from the EU to co-finance up to 70% of their innovation project. Most proposals were submitted in the topics ICT (480), followed by transport (219), energy and health (204 each). The largest number of proposals was submitted by Spanish applicants (338), followed by Italian (288) and British (173) applicants. 88% of applicants were single SMEs. Source: [EASME](#)

Sector Group Materials Members



Cooperation Offers and Partnering Opportunities

The database with all cooperation offers and the list of the local EEN contact points are available at een.ec.europa.eu.

Industrial Processes / Manufacturing

Offer: Process to reduce hydrogen content during manufacturing of metallic alloys to increase steel mechanical performance (TOES20170719001)

A Catalan company has developed a model to describe and predict the behaviour of interstitial elements like Hydrogen during manufacturing of metallic alloys and a method to extract it from the metal during casting (mold or continuous casting). They are looking for a licence agreement with metal alloys manufacturer interested in using this technology or Technical cooperation agreement.

Construction

Offer: Use of advanced concretes with improved performance properties for construction projects and blue growth applications (TOES20160531001)

A Spanish SME expert in special concretes provides integral service in projects that require advanced concretes, designing and selecting the most appropriate according to required performance. They seek partners from civil engineering, construction, industrial and blue-growth sectors for a technical or research collaboration. The goal is to explore new sectors where very-high and ultra-high-performance fiber-reinforced concretes advantages add value to clients and stakeholders.

Offer: New system to lighten the building structures improving the placement and handling of the construction materials (TOES20170511002)

A Spanish company specialized in the construction sector has developed an innovative system that allows the lightening of concrete slabs thus reducing the time of placement in field and the loads of aerial work and handling. The system eliminates most of the non-load bearing concrete and the steel that supports it, therefore reducing the deadweight of the building which discharges pillars and its foundation. It looks for license, commercial with technical assistance & services agreements.

Recycling

Offer: A Korean institute is offering an eco-friendly and low-cost CFRP (carbon fiber reinforced plastics) recycling technology for technology transfer (TOKR20160624003)

A Korean institute is offering an eco-friendly and low-cost chemical recycling methods for epoxy based carbon fiber reinforced plastics using aqueous solvent with mild recycling condition. The institute wants to find a European partner that is available for technology cooperation such as technology transfer or license agreement.

Surfaces

Offer: Technology for inhibiting biofilm formation on the surface of drinking water pipe networks using nanoparticle composite (TOKR20170427001)

A Korean SME has developed anti-microbial nano-composite that can be utilized to keep drinking water distribution net-

work clean. The technology can be applied to plastic and steel water pipes to reduce possibility of biofilm formation, and thus increase the biological stability of tap water. It is cost saving and can be applied to many kinds of fluid-transporting pipes. The company is expecting to cooperate with a partner who is interested in a commercial, financial or joint venture agreement.

Nanostructures / Biotechnology

Offer: Biodegradable materials with improved thermal resistance and acoustic insulation properties (TOES20160524001)

A Spanish technological centre expert in polymeric materials processing offers their know-how in the development of bio-fibres with improved thermal properties to produce 3D-fibre formed parts that can be applied in acoustic and thermal insulation. They look for partners for a technical and/or research cooperation agreement, to adapt the materials to specific requirements and/or develop new materials for new applications.

Offer: Novel technology for the characterization of micro and nanoparticles in biological, industrial and environmental complex fluids (TOIT20170829002)

An Italian company based in Milan developed a novel technology for the characterization of micro and nanoparticles for a cheaper, faster, more reliable and informative characterization in biological, industrial and environmental complex fluids. This will result in boosting R&D and quality control processes during lab scale or industrial production. The company is looking for technical partnerships for further improvement or commercial agreement with technical assistance.

Offer: High flux, low dose positron beam for unique material characterization (TOCH20170803001)

A Swiss university designed a table top source for positrons which makes material characterization (electron density, defects, displacements, porosity) available to a much larger user community in academics as well as in industry. The institution is looking for manufacturers of measuring devices interested in licensing the technology to develop a market ready product and introduce the product to the market. A research agreement with industrial partners for the development of a customer-specific prototype can also be envisaged.

Composites & Chemicals

Request: Paint stripping - environmental friendly technology (TOSE20170922001)

A Swedish SME seeks distributors/partners for a commercial agreement with technical assistance for its products used for paint stripping and removal of glue, adhesives and polymere resins. The SME is active in developing and selling special chemicals and has references in many fields such as automotive, automotive sub supplying, defense, wood industry etc. Partners are sought in following countries: Czech Republic, France, Hungary, Italy, Portugal, Romania, Slovakia, Spain and Turkey.

Request: A company from Poland producing carbon composite elements, especially for automotive market, is looking for suppliers of raw materials (BRPL20171016001)

The company utilises composites with a cork agglomerate as a core and carbon-, aramid- or glass fibres as reinforcement. The

company is also open to supplies of other materials that can be used for development of new products. They are interested in finished or semi-finished composites (pre-pregs, curing systems, auxiliary materials for the production of composites). The requested materials have to be compatible with the following production methods: bonding, vacuum bag method, infusion, manual lamination, prepreg lamination, lost core method or 3D printing.

News from the SG

The SG has a new member – Ms. Hyunjin Jo at edRESEARCH, a South Korean-EEN consortium. ED Research Co., Ltd. (EDR) is a government-authorized technology transfer company which exploits technology abilities across global networks. Since 2006, EDR has been consulting on technology commercialization strategy to domestic research institutes, universities, and companies for monetization of their technologies. [Contact](#)

Upcoming Events

Marketplace dedicated to Industry 4.0, 8 Nov 2017 (Barcelona, ES)

The EEN catalan partner ACCIÓ organizes on November 8th a marketplace dedicated to Industry 4.0 opportunities in Europe. It aims to provide Catalan companies with advanced information about opportunities and services in Industry 4.0 sector, knowing real and advanced available solutions offered by Technology/Business offers, and providing information about EEN services, new trends, project funding instruments and Networking targeting national and international opportunities. More than 40 selected Industry 4.0 enthusiasts companies, from technology providers to advanced Industrial customers have the opportunity to pitch their Industry 4.0 real and success solutions and to match them with their needs. 2018's edition is already on track! Should you want to be involved and promote your Industry 4.0 opportunities, please contact: [Elsa Luciani](#)

THE FUTURE OF MATERIALS SUMMIT, 13 – 14 Nov 2017 (Luxembourg, BE)

This event analyses the modern materials “ecosystem”, from research and development, via supply chains, to business applications. Main purpose is to explore how new materials are opening the way for new industries and also helping solve some of humanity's greatest challenges. [Website](#)

Brokerage Event Formnext, 14 - 17 Nov 2017 (Frankfurt am Main, DE)

Formnext is the leading tradefair for additive manufacturing and the next generation of intelligent manufacturing solutions. It focuses on the efficient realization of parts and products, from their design to serial production. Main topics:

- Solutions for additive manufacturing
- Industrial tooling and mold making
- Manufacturing solutions and software
- Design and product development
- Metrology and sensor technology
- Materials and components

[Website](#)

Meet & Match Event Precision Fair 2017, 15 – 16 Nov 2017 (Veldhoven, NL)

At this B2B event companies from all over the world will get the chance to meet business partners focused on precision technology and related researchers, suppliers and intermediaries. [Website](#)

International Machinery and Plant Engineering Forum 2017, 28 Nov 2017 (Vienna, AT)

This event is all about the machinery and plant engineering industry, meeting new suppliers, customers and business partners. [Website](#)

CERÁMICA INNOVA – 6th Technology-Business Networking Event, 5 – 9 Feb 2018 in (Valencia, ES)

CERÁMICA INNOVA is an international networking event celebrated in the framework of the well-known CEVISAMA trade fair, and aimed to connect companies and organizations from the habitat, construction, architecture and ceramics sectors, fostering meetings among them to share innovative technological proposals and to discover solutions for new challenges. Contact: [Elena Cortés](#).

R+T 2018, 27 Feb - 1 Mar 2018 (Stuttgart, DE)

This matchmaking event is for all businesses interested in roller shutters, doors/gates and sun protection systems to meet new potential partners. Main topics:

- Roller & window shutters and accessories
- Awnings, Doors/Gates
- External venetian blinds
- Internal sun protection
- Grilles and fences
- Technical textiles and textile construction

[Website](#)

Ecobuild Matchmaking 2018 - 7 Mar 2018 (London, UK)

At this event the world for sustainable construction meets with companies active in the construction sector and energy efficiency. [Website](#)

SYNERGI 2018 - Research2Business Matchmaking, 8 Mar 2018 (Amsterdam, NL)

The main focus of SYNERGI2018 is on Research Infrastructures for industry in the field of materials engineering, energy and micro-nanotechnology. A research2business matchmaking will be organized with the aim to exchange information and ideas about material studies and to develop possible projects. [Website](#)

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