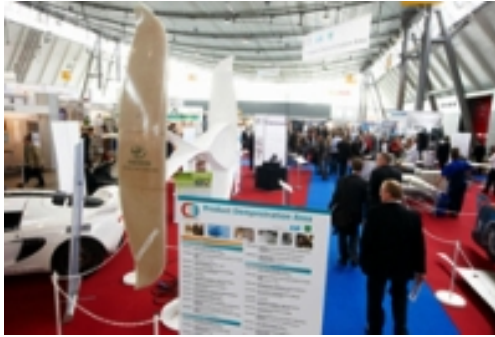


Composites Europe 2010 Showcases Potential of High-Performance Composite Materials



From 14 to 16 September Composites Europe in Essen will showcase the trends in the composite materials market, from the latest generation of GRP to state-of-the-art innovative carbon applications in vehicle construction.

300 international companies, ranging from suppliers of raw materials to manufacturers through to fibre-reinforced plastics processors, have announced their participation in the fifth edition of the trade fair. A large number of universities and institutions will also present their innovations, and the full range of technologies and products around the entire value chain of the materials will be on display. The spotlight will be on sustainable solutions for the major application industries such as vehicle construction, aviation and aerospace as well as building and construction. Visitors may also expect a comprehensive supporting programme, from the international lecture forum featuring an adhesives workshop to the Product Demonstration Area to the job exchange.

The Netherlands - 2010 Partner Country

The Netherlands will present themselves as Composites Europe's first partner country in Essen this year. A large number of exhibitors from the Netherlands will present themselves at the Netherlands country pavilion. The representative of the Netherlands composites industry will be the Netherlands association for plastics composites (Vereniging Kunststof Compositen Nederland - VKCN).

The International AVK Conference

For the fifth time the International Convention of the AVK - Federation of Reinforced Plastics will precede Composites Europe. From 13 to 14 September AVK will present innovations in the field of reinforced plastics at more than 40 lectures to be held in the Congress Centre East in Essen. The focus is on developments and trends in the composites market, the topics of lightweight construction, joining, reinforced plastic foams as well as thermosetting and thermoplastic composites. Highlights will include lectures on topics like 'Solar Impulse - around the world in a solar airplane' and up-to-date information on 'Employee motivation'.

For the first time, the SME Forum is to cater to the needs of small and medium-sized plastic processors. An in every year, the presentation of the AVK Innovation Awards during the Composites Night (the AVK industry meeting point) will be a special highlight on the evening of the first conference day.

Composites Forum and Workshop

Product-Lifecycle-Management (PLM), adhesive technology, lightweight construction and biomaterials - at the Composites lecture forum, experts will speak on the fundamentals and trends in the processing and machining of composite materials. The three-day programme features lectures and presentations by exhibitors in English and in German.

First will be Dassault Systèmes, CADFEM, Airex and Esi on 14 September, presenting PLM and simulation solutions under the heading "Composites Design, Engineering & Simulation". A panel discussion will deal with the question of how digital tools and IT solutions can help to meet the challenges in the composites environment.

"Technology, Automation & Processes" is one of the themes on the second day of the fair. Presentations will include one given by Lange + Ritter on the HexPly resin system. The Federal Agency for Material Research and Testing BAM presents ultrasonic measuring methods. The Institute for Plastic Processing (Institut für Kunststoffverarbeitung - IKV) at RWTH Aachen will give a presentation on methods for 3D injection moulding, Rucks Maschinenbau GmbH presents new possibilities in car body construction.

After last year's success, Composites Europe will once again devote a workshop of its own to the topic of adhesive technologies for fibre-reinforced plastics. The focus is on different bonding methods, the requirements to be met by adhesives and material properties. Host and specialist advisor to the workshop will be Prof. Dr. Andreas Groß of the Fraunhofer Institute for Manufacturing Technology and Applied Materials Research (IFAM).

Product Demonstration Area

From jet skis to sports cars - every year the Product Demonstration Area is a big visitor attraction at the fair. The special show in Hall 10/11, created in cooperation with the Institute for Plastics Processing (IKV) at RWTH Aachen University and the AVK - Industrievereinigung verstärkte Kunststoffe, offers visitors a hands-on experience of high-tech products, demonstrations of production processes, raw materials and various testing procedures for composites products.

There the Austrian motorcycle manufacturer KTM will present the X-Bow, its first sports car featuring a carbon fibre monocoque. KraussMaffei will show a jet ski with parts manufactured by a special long-fibre injection process. RH Schneidtechnik presents a manual cutting machine for fibre glass and CRP. The AVK Euro-RTM-Group is represented at the Product Demonstration Area with the presentation of demoulding processes.

Organisations North-Rhine Westphalia Jointly Present Their Innovations

Under the heading "Lightweight Construction in NRW" companies and universities from North-Rhine Westphalia will present themselves jointly at Composites Europe. At a joint stand, the Ministry of Economy, Energy, Building, Housing and Transport of North-Rhine Westphalia, Cluster Kunststoff.NRW, NanoMikro+Werkstoffe NRW and the action group of aviation and aerospace companies in Germany, ALROUND e.V., will showcase for the first time what North-Rhine Westphalia has to offer in this field.

From the company side Benteler SGL GmbH, Bond-Laminates GmbH, Composite Impulse GmbH & Co., Lanxess Deutschland GmbH and ThyssenKrupp AG will be present. From the

side of Universities in North-Rhine Westphalia the whole range of expertise from Aachen to Paderborn will be represented by the Institute for Motor Vehicles (IKA) and the Institute for Textile Technology (ITA) at RWTH Aachen, Paderborn University (Lightweight Construction for Automobiles (LiA), the Lüdenschheid Plastics Institute and Ostwestfalen-Lippe University with its OWL lightweight construction initiative.