



IKV Conferences on plastics processing

IKV Conferences – Research and practice in dialog

Technical conferences and practical seminars covering plastics processing technologies. External speakers from research and industry as well as scientists from the IKV present the very latest know-how from research and practical application. It offers you the best possible opportunities for successful innovation.

You will find detailed information on the individual conferences below.

We ask you to appreciate the fact that the IKV conferences are held in German.

IKV Conferences 2010

April 27-28, 2010, Aachen

■ **Joining of plastics – Technologies for successful solutions**

Main topics: Welding processes in industrial production-line manufacture: laser, ultrasonic, vibration and heated tool welding; bonding; screwing; new process developments and trends; materials for welding; material influences; designing joints

Dipl.-Ing. Mathias Weber, weber@ikv.rwth-aachen.de, phone: +49 (0) 241 80-28363

June 24-25, 2010, Aachen

■ **Dimensioning with fibre-reinforced plastics – Strength criteria, latest developments and software application**

Main topics: New calculation processes: Analytical programs, FEM programs; strength criteria, damage and failure criteria phenomena in FRP: fibre and inter-fibre fracture; background knowledge for understanding the action-plane-related Puck criterion; application of the laminate calculation according to Puck

Dipl.-Ing. Dipl.-Kfm. Lars Lambrecht, lambrecht@ikv.rwth-aachen.de, phone: +49 (0) 241 80-23818

Juni 24, 2010, Karlsruhe

■ **2nd Industry Colloquium Research Group FOR 702**

Research Group 702 has set itself the goal of developing production processes for the manufacture of micro products made of plastics, metals and ceramics. The project performs research, according to microspecific aspects, on particularly promising process concepts for the manufacture of micro products that are new for microtechnology. Research Group 702 regularly presents its results in industry colloquiums.

Dipl.-Ing. Thomas Kamps, kamps@ikv.rwth-aachen.de, phone: +49 (0) 241 80-96622



July 1, 2010, Aachen

■ **Shaping the future: Lightweight design
New production-line processes – New possibilities for
composites**

Main topics: Production-line manufacture of continuous fibre-reinforced plastic parts; New production processes for high-performance parts in cycle times of less than ten minutes: gap impregnation process, resin spray prepregging, resin transfer prepregging, compression moulding processes for liquid impregnated preforms; live demonstration of the processes; discussion

Dipl.-Ing. Jan Wessels, wessels@ikv.rwth-aachen.de, phone: +49 (0) 241 80-28334

September 15-16, 2010, Aachen

■ **Silicone rubber – A special material for special applications**

Main topics: Specific properties of liquid silicone rubber; tapping of new areas of application and material developments; machine and mould technology in LSR processing; multicomponent composites; design and simulation of products and processes; reports of practical experience

Dipl.-Ing. Kai Opdenwinkel, opdenwinkel@ikv.rwth-aachen.de, phone: +49 (0) 241 80-96264

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