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**Plastics  
in Automotive  
Engineering**



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# **Plastics in Automotive Engineering**

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## Foreword

In current new automotive developments the focus today is on topics such as lightweight design, resource efficiency, user benefits, aesthetic appeal as well as active and passive safety. Engineering plastics, fiber-reinforced composites and hybrid plastics technologies play an important role here as pacesetters.

In many cases, multifunctional tools and automated processing make system solutions possible which are of particular interest from the commercial point of view. New kinds of additive manufacturing processes already have a great potential for making individual, tailored component designs a reality, especially in low-volume production.

Innovations in plastic technologies have a direct influence on future concepts in the automotive field. Multimaterial design, hybrid solutions, flat heating systems for electric vehicles, in-mold laminated parts, laminated exterior components, and also plastic-based luminescent films and background lighting - these all make possible the delivery of customized system solutions in passenger car and commercial vehicle construction and thus in the long term secure international competitiveness in the plastics and automotive industries.

On 9th and 10th March 2016 in Mannheim the Association of German Engineers is hosting the international plastics conference 'Plastics in Automotive Engineering 2016'. Strategic overview papers from research and the market, technical reports from the passenger car and commercial vehicles sectors concerning plastics innovations, as well as practical reports from the plastics processing sphere deliver detailed information about the state of the art in plastics technology in automotive engineering. A technical exhibition by plastics producers and machine manufacturers as also an accompanying auto show with the latest cars and commercial vehicles allow attendees to discuss technical points at the physical object itself.

We cordially welcome you to Mannheim!

Prof. Dr. Rudolf C. Stauber



# Table of Contents

## **Plenary Session**

### **The lightness of design – Potential of lightweight design for structure and surfaces in architecture**

*Prof. Dr.-Ing. G. Henn, Henn GmbH*

1

## **Interior**

### **Challenging surfaces and lightweight construction in the instrument panel of the new Volkswagen Tiguan**

*Dipl.-Wirtsch.-Ing. (TU) R. Mielke, Dipl.-Ing. (FH) P. Dierks, Volkswagen AG, Wolfsburg*

5

### **3D simulation for lightweight construction in the plastics processing industry**

*Dipl.-Ing. M. Kurz, SimpaTec GmbH, Reutlingen*

17

### **Innovative PUR surfaces – self-healing and more**

*Dr.-Ing. I. Kleba, J. Emig, Rühl Puromer GmbH, Friedrichsdorf*

29

## **Exterior**

### **Mono-polymer lift-gate solution cuts CO<sub>2</sub> emissions**

*G. Liraut, Renault sas, Guyancourt Cedex, France;  
A. Tebib, Trinseo, Paris La Défense, France*

45

### **Class A Compression-Molded Carbon-Fiber Hood – Development and production of the Cadillac ATS-V and CTS-V Hood**

*Dr. J. J. Laux, Magna Management, Cham, Switzerland;  
H. Moore, Polycon Industries, a Division of Magna Exteriors Corp., Guelph, ON, Canada;  
J. Ingram, Magna Exteriors Corp., Concord, ON, Canada;  
J. Kowalski, Magna Exteriors Corp., Troy, MI, USA*

59

### **Perspectives in automotive polymer glazing – Polycarbonate makes use in side and rear windows possible**

*H. Schmidhuber, Webasto Roof & Components SE, Stockdorf*

67

## Structure

**Carbon core: the use of CFRP in the body structure of the BMW 7 Series**  
*Dipl.-Ing. (FH) M. Derks, BMW AG, Munich* 83

**Injection-Molded Carbon-Fiber Grille Opening Reinforcement – Development and production of the 2016 Ford Mustang Shelby GT350 GOR**  
*Dr. J. J. Laux, Magna Management, Cham, Switzerland;*  
*L. Vanin, Plastcoat, a Division of Magna Exteriors Corp., Brampton, ON, Canada;*  
*S. Grgac, Magna Exteriors, Concord, ON, Canada;*  
*G. Schalte, Magna Exteriors, Troy, MI, USA* 93

## Simulation

**Determination of thermal damages undergone by plastic parts in stochastic environments: application to air ducts**  
*L. Gervat, M. Lacuve, J.M. Fiard, G. Gauge, F. Bekaert, Renault Technocentre, Guyancourt, France* 105

**Simulation of plastics in crash conditions at Volkswagen – Requirements relating to safety-relevant plastic components**  
*Dipl.-Ing. (FH) E. Glas, Dr.-Ing. L. Greve, Dipl.-Ing. O. Steiln, J. Čopík (M.Sc.), Dipl.-Phys. R. Flögel, Volkswagen AG, Wolfsburg* 119

**Development of a crash simulation method for long-fiber-reinforced thermoplastic (LFT) components based on fiber orientation from mold-filling simulation**  
*L. Schulenberg, J. Lienhard, Fraunhofer Institute for the Mechanics of Materials IWM, Freiburg;*  
*Dr. D. Niedziela, I. Shklyar, Dr. K. Steiner, Fraunhofer Institute for Industrial Mathematics ITWM, Kaiserslautern;*  
*Dr.-Ing. B. Lauterbach, Adam Opel AG, Rüsselsheim* 131

## Engine & Technics

**New development of SCR-tank systems: materials, functions, processes**  
*Dipl.-Ing. T. Rösch, Veritas AG, Gelnhausen;*  
*Dipl.-Ing. U. Remmele, Daimler AG, Sindelfingen* 159

**First plastic oil-pan module in the 911 Carrera: lightweight design and system integration**  
*Dipl.-Ing. (FH) J. Soares, Polytec Group, Lohne;*  
*Dipl.-Ing. A. Misala, Dr. Ing. h.c. F. Porsche AG, Weissach* 165

**Plastic oil pan design for an optimized gasoline engine – Project management of novelty by failure mode analysis**  
*J. M. Fiard, J. M. Cardona, Renault, Guyancourt, France;*  
*P. Gauquie Mécaplast, Lens, France* 181



## **Material & Technology**

### **Thermally conductive plastics: a mineral solution – Thermal management in thermoplastics and thermosets**

*Dipl.-Ing. T. Hilgers, Quarzwerke GmbH, Frechen* 193

### **Efficient approach to developing fiber composites**

*Dr.-Ing. T. Müller, BMW Group Munich* 205

### **The innovative hybrid fleece molding (HFM) concept as a sustainable alternative in direct comparison with the door panel for the Volvo XC90**

*Dipl.-Ing. (FH) F. Schumann, Dipl.-Ing. R. Ankele, IAC Group GmbH, Ebersberg; M.Eng. F. Jürgens, Prof. Dr.-Ing. H-J. Endres, IfBB, Hochschule Hannover* 213

### **Thermoplastic crash-absorbing elements made from PC/PBT (Makroblend®) as part of the side-protection concept of the BMW i3**

*Dipl.-Ing. (FH) E. Meurer, Covestro Deutschland AG, Leverkusen; Dipl.-Ing. (FH) M. Hanigk, BMW AG Munich* 225

### **Local reinforcement in series production – Local reinforcement in series production**

*Dr. rer. nat. B. Pfeiffer, Celanese AG, Sulzbach; Dipl.-Ing. S. Tönnies, Ford Motor Company, Cologne* 239

## **Lightweight Design**

### **New manufacturing technology for material-hybrid lightweight solutions: an FRP-metal hybrid floor structure**

*Dr.-Ing. Dipl.-phys. O. Täger, Dipl.-Ing. F. Häusler, Dipl.-Ing. J. Lohmann, Volkswagen Group Research, Wolfsburg; Prof. Dr.-Ing. N. Modler, Dipl.-Ing. T. Weber, TU Dresden, Dresden* 247

### **Development of a lightweight instrument-panel support structure – Material and production concept of the instrument-panel support tube made of long-glass-fiber-reinforced partly aromatic polyamide for the BMW M4 GTS**

*Dipl.-Ing. R. Krischke, Dipl.-Ing. R. Poltrock, BMW AG, Munich; Dipl.-Ing. S. Stein, BMW AG, Landshut* 259

### **Consideration of local thicknesses within finite element simulation of injection molded thermoplastics**

*Dipl.-Ing. M. Franzen, Dr.-Ing. O. Ghouati, Ford Werke GmbH, Aachen* 279

## **Industry 4.0**

### **Sensor technology for interconnected injection-molding production: a prerequisite for Industry 4.0**

*Dr.-Ing. R. Vaculik, Kistler Instrumente AG, Winterthur* 289

## **Plenary Session**

### **Plastic fuel tank systems, energy carriers for future vehicle concepts**

*Dr.-Ing. U. A. Karsch, Kautex Textron, Bonn* 297

## **Framework Conditions for Plastic Applications**

### **Study of lightweight applications in truck development – Metal replacement of a headlamp frame by a thermoplastic**

*A. van den Einden, P. van der Velden, DAF Trucks N.V., Eindhoven, Netherlands* 315

### **Greenhouse gas footprint of trucks**

*H. Gräser, MAN Truck & Bus AG, Munich* 323

## **Cost Efficient Lightweight Design**

### **Commercial vehicles in CFRP: from prototype to series**

*Dr.-Ing. R. Kaiser, TTT The Team Composite AG* 325

### **Lightweight design through multi-material systems – Structural cabin parts made of continuous-fiber-reinforced thermoplastic material with a polyurethane outer skin in Class A quality**

*A. Spiegel, M.Eng., EDAG Engineering GmbH, Fulda;  
Dipl.-Ing. (BA) S. Schmidhuber, KrausMaffei Technologies GmbH, Munich;  
Dr. U. Fehrenbacher, Rühl Puomer GmbH, Friedrichsdorf* 327

## **Plastics in the Chassis**

### **CFRP air spring carrier for buses – Feasibility study**

*Dipl.-Ing. (FH) S. Rüksamen, Dipl.-Ing. (FH), Dipl.-Wirt.-Ing. (FH) N. Elbs,  
Dipl.-Ing. (FH) H. Häberle, MAN Truck & Bus AG, Munich*

329

### **Potential for weight reduction in commercial vehicles – Air springs with pistons made of glass-fiber-reinforced plastic**

*Dipl.-Ing. H. Gawinski, Dipl.-Ing. E. Neitzel, Dipl.-Betriebswirt D. Bauch,  
ContiTech Luftfedersysteme GmbH, Hannover*

337

### **Dimensioning and production of leaf springs made of fiber-reinforced plastics for use in heavy-duty commercial vehicles – Special features and challenges**

*Dipl.-Ing. H. Kempe, IFC Composite GmbH, Haldensleben*

345

## **Framework Conditions for Plastic Applications**

### **New possibilities for the rapid customizing of mold surface structures – Lasered paint in the mold**

*Dipl.-Ing. M. Gehlen,  
Kunststoff-Institut für die mittelständische Wirtschaft NRW GmbH, Lüdenscheid*

347

### **Emission-optimized rubber composites for the treads of retreaded truck tires containing recycled material: EKORUND**

*Prof. Dr. M. Beiner, Fraunhofer IMWS, Halle (Saale)*

349

