

## Exhibition

### Exhibitors include among others:

- \_\_\_\_\_ acad prototyping OHG, Heilsbronn
- \_\_\_\_\_ Analytik Service Obernburg, Mainsite GmbH & Co. KG, Obernburg
- \_\_\_\_\_ AUNDE Achter & Ebels GmbH, Mönchengladbach
- \_\_\_\_\_ Bayern Innovativ GmbH, Nuremberg
- \_\_\_\_\_ Carl Baasel Lasertechnik GmbH & Co.KG/ROFIN, Starnberg
- \_\_\_\_\_ Creaform, Lévis, Quebec (CDN)
- \_\_\_\_\_ Crosslink Faserverbundtechnik GmbH & Co.KG, Cadolzburg
- \_\_\_\_\_ CTT Group, Center for Textile Technology, Saint-Hyacinthe, Quebec (CDN)
- \_\_\_\_\_ D' Appolonia S.p.A., Genua (Italy)/ EU-Projekt INNO-vention
- \_\_\_\_\_ Die Wethje GmbH Kunststofftechnik, Hengersberg
- \_\_\_\_\_ duramotive GmbH, Großenlütder
- \_\_\_\_\_ Hufschmied Zerspanungssysteme GmbH, Bobingen
- \_\_\_\_\_ imat-uve GmbH, Mönchengladbach
- \_\_\_\_\_ Intier Automotive Eybl (Germany) GmbH, Munich
- \_\_\_\_\_ JB Martin Ltée, Saint-Jean-sur-Richelieu, Quebec (CDN)
- \_\_\_\_\_ Kunststoff Helmbrechts AG, Helmbrechts
- \_\_\_\_\_ LfA Förderbank Bayern, Munich
- \_\_\_\_\_ Moldflow Vertriebs-GmbH, Munich
- \_\_\_\_\_ Parat Automotive Schönenbach GmbH & Co. KG, Neureichenau
- \_\_\_\_\_ phoenix/x-ray Systems + Services GmbH, Grasbrunn
- \_\_\_\_\_ PTS Plastic-Technologie-Service Marketing und Vertriebs GmbH, Adelshofen
- \_\_\_\_\_ RWTH Aachen, Institut für Kunststoffverarbeitung, Aachen
- \_\_\_\_\_ SGS Institut Fresenius GmbH, Taunusstein
- \_\_\_\_\_ TECHTEX GmbH Vliesstoffe, Mittweida
- \_\_\_\_\_ The Special Vehicle and Transportation Equipment Association AMETVS, Drummondville, Quebec (CDN)
- \_\_\_\_\_ Thüringisches Institut für Textil- und Kunststoff-Forschung e.V. TITK, Rudolstadt-Schwarza
- \_\_\_\_\_ TWE Dierdorf GmbH & Co. KG, Dierdorf
- \_\_\_\_\_ WILDEN AG, Regensburg
- \_\_\_\_\_ Wilisch & Sohn GmbH Kunststoffwerk, Ansbach
- \_\_\_\_\_ Zwick GmbH & Co. KG, Ulm

## General Information

### Overall Coordination

Bayern Innovativ GmbH  
Gewerbemuseumsplatz 2  
D-90403 Nuremberg  
Tel.: +49 (0)911/2 06 71 - 168  
Fax: +49 (0)911/2 06 71 - 766  
E-Mail: [textil@bayern-innovativ.de](mailto:textil@bayern-innovativ.de)  
[www.bayern-innovativ.de](http://www.bayern-innovativ.de)

### Venue

BMW Group FIZ Projekthaus  
Knorrstrasse 147, D-80937 Munich

### Evening Event

**Tuesday, 21 November 2006,  
19.00 – 22.00**  
BMW Markenschaufenster (Pavillon),  
Lenbachplatz 7a, D-80333 Munich

### Conference Time

**Wednesday, 22 November 2006  
09.30 – 17.45, Sessions  
08.30 – 19.00, Exhibition**

### Registration

Please fax the enclosed reply to:  
**+49 (0) 911/20671-766**  
(You can also find detailed information at:  
[www.bayern-innovativ.de/polymere2006](http://www.bayern-innovativ.de/polymere2006))

### Closing Date for Registration

**10 November 2006**

### Registration Fee

Incl. seminar documents, lunch, refreshments  
and evening event

Industry: **€ 350,- plus 16% VAT**

Academic institutions, research institutes and public  
authorities: **€ 190,- plus 16% VAT**

Students: **€ 25,- plus 16% VAT**

### Registration Conditions

On receipt of your registration, confirmation will  
be sent to the email address given. An invoice will  
be sent via post to the given address unless otherwise  
stated. Cancellations received before November  
10, 2006, are exempt from charges.  
For later cancellations and for non-attendance,  
the full amount will be incurred. Substitution of  
participants is possible according to prior agreement.

### Location



### Parking

Parking is available in the BMW Group FIZ parking  
garage.

Bayern  **Innovativ**



## Congress

# Polymers in Automobiles

## Textiles – Plastics – Composites

**BMW Group FIZ Projekthaus  
Munich  
22 November 2006**



VTB



Québec 



Welcome



The automotive industry is one of the most important industrial branches in Bavaria with more than 180,000 employees and an annual turnover of € 71.2 Billion, holding an export share of 61.5%.

The automotive industry stands for excellence, efficiency and quality but most of all for cutting edge innovation. One of the most important drivers of innovation is the new materials sector – metals, ceramics, glass and polymers in particular with their upcoming diversity. These polymers offer within technical textiles, plastics and composites manifold opportunities for entirely new developments.

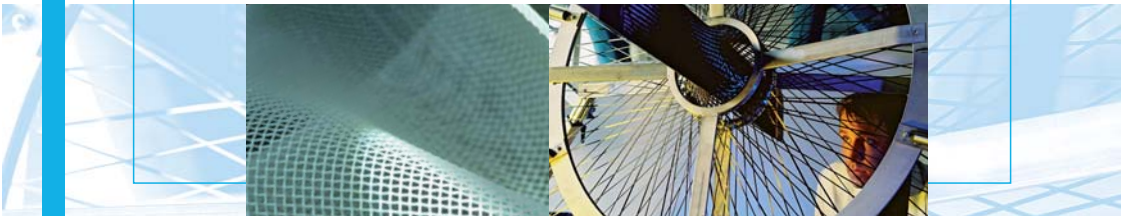
Unique designs, novel surfaces with improved haptic and optical attributes open up new levels of comfort and highly appealing quality. High material resistance combined with low weight, innovative seat construction using new plastics or the integration of electronics in textiles lead to new functional applications.

These perspectives for innovation with a view to the increasing individualisation of vehicles demands collaboration between polymer chemistry, material experts, machine manufacturers, fabricators and users.

The Cluster Initiative “Allianz Bayern Innovativ” from the Bavarian Government will strengthen networking of the companies and institutes. Bayern Innovativ GmbH will manage the Automotive and New Materials clusters.

Functionality & Technology

Chair: Prof. Dr.-Ing. Horst E. Friedrich  
Institute of Vehicle Concepts, DLR, Stuttgart



14.15 – 14.40	Composites in Automobiles - Challenges and Limitations Dr. Thomas Schuh Senior Manager Polymer Technology, DaimlerChrysler AG, Sindelfingen
14.40 – 15.05	Chances for Carbon Fibre Reinforced Plastic in Automobile and Aircraft Construction by Integrated Manufacturing Technology Prof. Dr.-Ing. Klaus Drechsler Institute for Aircraft Design, University of Stuttgart
15.05 – 15.30	Potentials of Lightweight Construction in Underbody Applications Dr. Egon Moos Research & Development, Röchling Automotive AG & Co. KG, Worms
15.30 - 16.00	Coffee Break in the Exhibition
16.00 – 16.25	Innovative Materials out of Renewable Resources for Interior Applications – Series Production and Future Trends Klaus Philipp Manager Prototype and Technology Center, Polytec Automotive GmbH & Co. KG, Geretsried
16.25 – 16.50	New Textiles with Electrotechnical Functions – Textile Data Transmission and Current Transport, Textile Heating and Sensor Technology Adi Parzl CEO, Rent a scientist GmbH, Regensburg Harald Merk Head of Innovation, W. Zimmermann GmbH & Co. KG, Weiler-Simmerberg
17.00 – 17.30	ISS – Space for Research Dr. Reinhold Ewald ESA Astronaut and ESA ISS Flight Operations Manager, ESA Columbus Control Centre, Oberpfaffenhofen
17.30 – 17.45	Closing Remarks BMW Group, Munich
From 17.45	Get Together in the Exhibition

Fax Reply

Bayern Innovativ GmbH

Fax: +49 (0)911-2 06 71-766

Registration for the Congress „Polymers in Automobiles“ on 22 November 2006 in Munich. Please register before 10 November 2006, using a separate form for each person. For registration fee see general information.

I will participate in the following sessions:

Value & Emotion      Functionality & Technology

I will attend the Evening Event on 21 November 2006.

Please send the registration confirmation and invoice to:  
(Please print clearly)

Title, First Name, Surname

Company / Institution

Department / Position

Street, Address

Country, Zip Code, Town

Telephone, Fax

E-Mail

Date, Signature

Industry      University Member / Public Authorities  
Student      (Proof of status required)

### Value & Emotion

Chair:

**Prof. Dr.-Ing. Ernst Schmachtenberg**

*Institute of Polymer Technology, FAU University of Erlangen-Nürnberg, Erlangen*



#### 14.15 – 14.40 Successful Products by Innovative Design

**Michael Lanz**

*Director Color & Material Design, designafairs GmbH, Munich*

#### 14.40 – 15.05 Requirements and Future Trends of High Tech Textiles

**Markus Schmitz**

*Managing Director, Tuchfabrik Willy Schmitz GmbH & Co. KG, Mönchengladbach*

#### 15.05 – 15.30 High-Value Skins by New Technologies in Plastic Production

**Dr. Erwin Bürkle**

*Manager Research and Development, Krauss-Maffei Kunststofftechnik GmbH, Munich*

#### 15.30 - 16.00 Coffee Break in the Exhibition

#### 16.00 – 16.25 Nanofibre Filter Materials for Sustainable Climate Improvement in Car Interiors

**Dr. Marcus Seitz**

*Research and Development, helsa-automotive GmbH & Co. KG, Gefrees*

#### 16.25 – 16.50 Perspectives of Polymer Electronics in Automobiles

**Dr. Karlheinz Bock**

*Head of Department Polytronic Systems, Fraunhofer Institute for Reliability and Microintegration IZM, Munich*

#### 17.00 – 17.30 ISS – Space for Research

**Dr. Reinhold Ewald**

*ESA Astronaut and ESA ISS Flight Operations Manager, ESA Columbus Control Centre, Oberpfaffenhofen*

#### 17.30 – 17.45 Closing Remarks

*BMW Group, Munich*

#### From 17.45 Get Together in the Exhibition

With this in mind, Bayern Innovativ GmbH is planning and organising the international congress “Polymers in Automobiles” which focuses on textiles, plastics, composites. In addition the BAIKA network brings international access for example to its partners in Quebec. The congress is backed by the Association of the Bavarian Textile and Clothing Industry, the Special Vehicle and Transportation Equipment Association Quebec (AMETVS), the VDMA German Engineering Federation and is supported by the Bavarian State Ministry of Economic Affairs, Infrastructure, Transport and Technology.

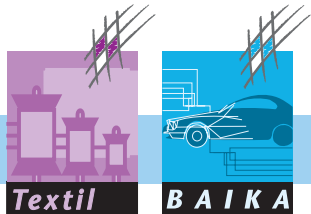
Experts from industry and science will report the latest developments for attractive quality and multifunctionality in automobiles based on polymer materials and will outline trends and potentials for future innovations.

The accompanying exhibition supports the transfer of ideas and experiences as well as the initiation of new cooperations for the next generation of innovative polymers in automobiles.

I wish the congress much success and cordially invite all interested parties to participate.

Erwin Huber,  
Bavarian State Minister of Economic Affairs, Infrastructure, Transport and Technology





## Evening Event, 21 November 2006

**BMW Markenschaufenster**  
Lenbachplatz 7a, D-80333 Munich  
**Reception from 19.00**



## Congress Polymers in Automobiles

From 08.30 Registration, Visit of the Exhibition

### Plenary Session



- 09.30 – 09.40 Welcome and Introduction**  
*Bayern Innovativ GmbH, Nuremberg  
BMW Group, Munich*
- 09.40 – 09.50 Welcome Addresses**  
**Dr. Christian Heinrich Sandler**  
*President, Association of the Bavarian Textile and Clothing Industry, Munich*  
**Gilles Gravel**  
*President and CEO, AMETVS, Drummondville, Canada*
- 09.50 – 10.20 "Allianz Bayern Innovativ" – Networking of Industry and Science for Creating Value**  
**Erwin Huber**  
*Bavarian State Minister of Economic Affairs, Infrastructure, Transport and Technology, Munich*
- 10.20 – 10.45 Plastics and Composites – Requirements and Future Trends**  
**Dr. Rudolf Stauber**  
*Vice President Operating Strength and Materials Development, BMW Group, Munich*
- 10.45 – 11.10 Textile Trends in Automotive Design**  
**Kirsten Schönharting**  
*Managing Director, Strähle + Hess GmbH & Co. KG, Althengstett*
- 11.10 – 11.35 Innovation Pipeline Polymers in Automobiles**  
**Prof. Dr. Volker Warzelhan**  
*Senior Vice President, Global Polymer Research – Thermoplastics, BASF AG, Ludwigshafen*
- 11.35 – 12.00 High Tech Weaving and Customized Development**  
**Nicolas Juillard**  
*President, J.B. Martin Ltée, St-Jean-sur-Richelieu, Quebec/Canada*  
**Michael Loney**  
*Vice President, J.B. Martin Ltée, St-Jean-sur-Richelieu, Quebec/Canada*
- 12.00 – 12.25 Networks and Clusters – Dynamics in Innovation and Creating Value**  
**Prof. Dr. Josef Nassauer**  
*CEO, Bayern Innovativ GmbH, Nuremberg*
- 12.30 – 14.15 Visit of the Exhibition**
- 13.00 – 14.15 Lunch**