



Plastics in Automotive Interiors

19th & 20th January 2005 – Steigenberger Hotel, Frankfurt, Germany

Analysing the trend towards modularisation, cost-effective materials and technology-integrated design

SPEAKERS INCLUDE:

Robert Eller, President - **Robert Eller Associates**

Steffen Aumann, Design for Recycling - **BMW**

Maria Ugla, Colour and Trim Design - **Volvo Car Corporation**

Arnaud Duval, Acoustics Division Manager - **Faurecia**

Kurian Pothan, Vice President Engineering and Design - **Collins and Aikman**

Rainer Ankele, Development Engineer - **Lear Corporation**

Tim Patterson, Business Unit Manager - **Noble Polymers**

Organised by:

European Plastics
NEWS

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PLASTICS & RUBBER WEEKLY

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Robert Eller Associates, Inc.
CONSULTANTS TO THE PLASTICS AND RUBBER INDUSTRIES

To register – Tel: +44 (0)20 7505 6044 Fax: +44 (0)20 7505 6001

Email: EPNconferences@emap.com Online: www.autointeriorevent.com

Plastics in Automotive Interiors

Analysing the trend towards modularisation, cost-effective materials and technology-integrated design

The automotive interiors marketplace is highly competitive and each year sees new trends, materials and demands emerging for plastics suppliers.

Advances in technology together with changing OEM design and styling requirements are today driving the selection process for plastics materials in automotive interiors. This is rippling across the industry, encouraging the major players to reorganise their production systems and materials to meet new customer demands.

In such a highly dynamic and mobile business environment the ability to predict and understand the impact of these future trends becomes vital.

European Plastics News, Plastics & Rubber Weekly and Robert Eller Associates have come together again to organise the 2nd Plastics in Automotive Interiors conference. This high level international event will provide you with the cutting-edge information you need to steer your business through the opportunities and challenges that lie ahead.

Attending this conference will provide you with:

- A unique insight into trends and developments in plastics for automotive interiors from OEM, Tier 1 and Tier 2 perspectives
- The latest moves in out-sourcing and off-shoring in the automotive interiors market
- How OEM moves to sustainable production requirements are impacting on automotive interior designs
- Information on new materials for interiors and their characteristics and application
- The effect of supplier integration and modularisation on the supply chain and prices

The conference will also assess the impact of the European ELV Directive, which is designed to construct an ecological framework around the automotive industry. Recycling materials from end-of-life vehicles will create new technical challenges and opportunities for the industry, which will also have to integrate these new processes into the supply chain.

Plastics in Automotive Interiors will identify and explore how new directions in interior trends will translate into new plastics materials and manufacturing processes. From new cockpits and consoles through to the latest seating and trim options, this conference will be the ultimate resource for the industry. Your attendance will be crucial to the future of your business.

SPONSORSHIP & EXHIBITION OPPORTUNITIES

For further information please contact Levent Tounjer
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WEDNESDAY 19TH JANUARY 2005

SESSION 1

Trends and Material Selection for Automotive Interiors

- 08:45 Registration
- 09:20 Chairman's opening remarks
Chris Smith
Technology Editor and Conference Manager
EPN and PRW
- 09:30 Overview of growth and value opportunities in automotive interiors
- Assessing automotive interiors fabrication methods
 - Utilising modern fabrication technologies and recent materials developments.
 - The opportunities in interior components
Robert Eller
President
ROBERT ELLER ASSOCIATES
- 10:00 The YCC: Setting new trends in automotive interiors
- Developing a new concept and successfully integrating design with technology
 - Developing new materials to suit interior trends
 - Providing suitable materials for automotive interiors using a new approach
Maria Ugglä
Colour and Trim Design
VOLVO CAR CORPORATION
- 10:30 Methods and elements towards sustainable products
- BMW recovery strategy
 - Recycling optimised product development
 - Environmental product design driven by LCA
Steffen Aumann, Diplom-Ingenieur (FH)
Design for Recycling
BMW
- 11:00 Question and answer session
- 11:15 Morning refreshments
- 11:45 Developing the performance of plastics to improve acoustics in automotive interiors
Arnaud Duval
Acoustics Division Manager
FAURECIA
- 12:15 Developing a new one-piece plastics seating structure for automotive interiors
- Benefits of consolidating seating parts into one component
 - Selection of materials for successful implementation of one-piece seat design
 - Comparing the functionality of plastics versus metal seat pans
Mark Minnichelli
Director of Commercial Technology
BASF ENGINEERING PLASTICS

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THURSDAY 20TH JANUARY 2005

SESSION 2 Market Developments

12:45	Question and answer session		11:45	Testing emissions (VOC and Odours) from polymers for car interiors <ul style="list-style-type: none"> ■ Why are we concerned about testing emissions given off by plastics in automotive interiors? ■ Examining how to estimate the contribution of one material to the indoor air quality ■ What are the tools to sample and analyse by chemical and sensory means? ■ What are the requirements of the car manufacturers? Dr Olivier Noiset Analytical Supervisor CERTECH
13:00	Lunch		12:15	Developments in in-mould technology for automotive interiors <ul style="list-style-type: none"> ■ Adding new design options to automotive interiors ■ The development of flexible decorative processes that reduce cost of change Steve Mathers Commercial Director Pressac Decorative Systems JOHN MCGAVIGAN
14:15	Flame retardants for automotive interiors <ul style="list-style-type: none"> ■ Increasing fire safety in automotive interiors ■ Flame retardant options for plastics ■ End-of-life solutions for flame retarded plastics David Buszard Chairman Adrian Beard Vice Chairman EFRA 	08:45	Refreshments	
14:45	Assessing new developments and requirements for natural fibres <ul style="list-style-type: none"> ■ Investigating the performance of natural fibres in automotive interiors ■ Assessing market performance of natural fibres vs. traditional materials ■ New developments and applications for natural fibres Rainer Ankele Development Engineer LEAR CORPORATION 	09:20	Chairman's opening remarks Chris Smith Technology Editor and Conference Manager EPN and PRW	
15:15	Question and answer session	09:30	New trends in North American automotive plastics and the effects of off-shoring <ul style="list-style-type: none"> ■ Analysing the new trends in the North American automotive plastics market ■ Maintaining cost efficiency with mass standardisation while heightening brand diversification from OEMs ■ Increasing cost effectiveness with outsourcing of design and manufacturing to off-shore locations Kurian Pothen Vice President, Engineering and Design COLLINS AND AIKMAN 	
15:30	Afternoon refreshments	10:00	Innovative light weight substrates for vehicle interiors <ul style="list-style-type: none"> ■ Examining a single material solution for all interior trim substrates ■ Lightweight - typically 30% to 50% savings over traditional materials ■ Reduced capital investment costs - low pressure, low-cost tooling process Jesse Hipwell Technical Manager, Interiors Paul Bristow Director, Commercial Technology AZDEL 	
16:00	Lightweight composites and natural fibres in automotive interiors <ul style="list-style-type: none"> ■ Lightweight composites and their penetration into auto interiors ■ Current characteristics of lightweight composites ■ The benefits of natural fibres and how they compare with glass fibres Robert Eller President ROBERT ELLER ASSOCIATES 	10:30	Latest production developments in fluid assisted moulding <ul style="list-style-type: none"> ■ Identifying new automotive applications made possible by gas assisted moulding ■ Analysing how gas cooling and flowing is reducing cycle times ■ Examining how water assisted moulding reduces the cost of thick section mouldings ■ Identifying automotive applications for gas moulding of thermosets Raymond Foad European Market Manager CINPRES GAS INJECTION 	
16:30	Examining the commercialisation of PP-based nanocomposites in automotive interiors <ul style="list-style-type: none"> ■ Outlining the ongoing progress of PP nanocomposites development ■ Developing unique properties and showcasing novel advantages and applications ■ Revealing exciting advancements in automotive product commercialisation Taher Abujoudeh Director of Materials Engineering CASCADE ENGINEERING Tim Patterson Business Unit Manager NOBLE POLYMERS 	11:00	Question and answer session	
17:00	Question and answer session	11:15	Morning refreshments	
17:15	Closing remarks from the Chair			
17:20	End of day one			
			14:15	Smart surface technology - introducing three-dimensional electroluminescent lamps <ul style="list-style-type: none"> ■ Electroluminescent light for ambient lighting ■ Three-dimensionally formable EL lamps ■ New applications Dr. Klaus S. Reinartz Project Manager BAYER MATERIALSCIENCE
			14:45	Improved passive safety for automotive seating <ul style="list-style-type: none"> ■ Improved crash and comfort performance of rear seating with EPP ■ Virtual development (FEA) of crash performance and comfort for seating ■ Cost and weight saving with a new system Heiko Hummel Sales Manager Moulded Parts JSP INTERNATIONAL
			15:15	Question and answer session
			15:30	Closing remarks from the Chair
			15:40	End of conference

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Brochure Code: SPK

3 REASONS WHY YOU CANNOT AFFORD TO MISS THIS EVENT:

- Hear the latest from OEMs on developing trends in automotive interiors
- The only European event on Plastics in Automotive Interiors
- Unique insight into the direction of the industry

Conference code: P441

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 Post to: Plastics in Automotive Interiors 2005
 3rd Floor, 151 Rosebery Avenue
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 Am Kaiserplatz, D-60311 Frankfurt, Germany

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Please register ___ delegate(s) at €1199
 + VAT @ 17.5% = €1408.83 per delegate

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For information on group bookings of 3 or more delegates please contact the conference team using the details in the left hand box.

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For accommodation please contact Venue Search on +44 (0)20 8541 5656 or fax +44 (0)20 8547 3427 or email beds@venuesearch.co.uk and quote this conference as a reference.

SPECIAL ARRANGEMENTS

If you have any special requirements such as wheelchair access or special dietary needs, please let us know in advance.

CONFERENCE LANGUAGE

English.

PLEASE NOTE

The conference fee covers entrance to all sessions, conference documentation and available papers, coffee/refreshment breaks and lunch.

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