



Automotive Cockpit and Door Modules 2005



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Automotive Cockpit and Door Modules 2005

Automotive Cockpit and Door Modules 2005 International Forum creates an excellent opportunity for industry professionals to gain a better understanding of the drivers that are shaping the future of this industry and consequently, vehicle interiors. Leading suppliers in this market will provide their insight and exhibit their technologies. This forum also serves as an excellent networking opportunity.

Agenda

Please note that conference proceedings will not be available

7:00 -

8:15 a.m. Registration and Continental Breakfast

8:15 a.m. Opening Remarks
Mitra O'Malley, Principal, The ITB Group



Cockpit Modules: Challenges and Innovations

8:30 a.m. Cockpit Material Choices that Deliver High Quality Products to Different Markets

Delphi Automotive Systems (U.S.A.)

Delphi will review and contrast the material selections for two of their cockpit modules: the GM Pontiac G6 and the DCX next generation M-Class. These contrasting market segments have driven material choices above and below the surface that will be detailed in this presentation.

9:00 a.m. Hybrid Instrument Panel Technology

Dow Automotive (Germany)

This presentation will introduce a new architectural concept to integrate the plastic retainer with a metal cross-car beam. The progress in validating the concept to comply with North American corporate and legislation requirements will be discussed.

9:30 a.m. Cockpit Density Index: A New Advanced Development Tool

Faurecia Interior Systems (U.S.A.)

Faurecia has developed a tool called the Cockpit Density Index. This tool is utilized in the engineering and development of new cockpit modules. Faurecia will discuss this tool and share with us their definition of cockpit architecture.

10:00 a.m. Using Advanced Technology to meet Customer Needs

Visteon Interiors (U.S.A.)

This presentation will discuss how advanced technologies can offer customers cost effective solutions with improved flexibility and performance such as two tone appearance, reduction in squeaks, rattles, noise, vibration and harshness.

10:30 a.m. Mid-Morning Break



Developments that Impact Interior Styling & Functionality

11:00 a.m. A Solar Power Roof System and its Impact on Cockpit Temperature and the HVAC System

Automotive Solar Systems (Germany)

A new technology including a parked ventilation and battery charging system will be detailed. System benefits including the reduction of cockpit temperatures and the impact on HVAC systems, as well as a forecast of future applications, will be discussed.

11:30 a.m. Inside Innovation - An Insider's Perspective on Advanced Interior Material Trends and Styling Innovations

Ford Motor Company (U.S.A.)

Future consumer and design trends will create unique interior opportunities for improvement in materials and customer interfaces. Smart styling will result in successful product differentiation.

12:00 p.m. Engineered Polyolefins for Energy Management Applications

Solvay Engineered Polymers (U.S.A.)

Engineered polyolefins offer part designers a wide range of desirable attributes to address energy management requirements for cockpit and door modules to conform with FMVSS 201, 208 and the proposed revisions to 214. Several engineered polyolefin materials will be reviewed and their advantages for selected cockpit and door applications will be discussed.

12:30 p.m. Deploying More "Human-Like" Interfaces in Cars

IBM Research (U.S.A.)

IBM will present the results of a multi-year development effort aimed at deciphering complex human-machine interfaces in various applications. These include navigation, entertainment, smart phone dialing and traffic/weather updates.

1:00 p.m. Lunch

2:00 p.m. SPECIAL PRESENTATION: Intellectual Property and How to Protect it in a Supply Relationship

Borda, Lorenz & Geggie (U.S.A.)

Protection of a company's leading edge technology is key to maintaining a competitive advantage. This presentation will discuss several methods that can be used to protect technology in the marketplace.

3:30 p.m. Afternoon Break

3:45 p.m. Acceleration of Individual Tests vs Full Validation

Manager, Intertek (U.S.A.)

By accelerating the full validation plan, many months can be saved in design iteration, prototype cost and development time lines. The extrapolation of the accelerated data so as to ensure all the underlying assumptions are met will be discussed.

4:00 p.m. Structural Door Module Leads the Market

Brose (Germany)

This presentation will cover the basic requirements for vehicle doors and how these requirements impact door module layout and component design. Various examples for structural sealed door modules will be discussed along with design options to promote integration and cost savings.

4:30 p.m. Highly Integrated Door Module (HIM) Concepts

Faurecia Interior Systems (France)

Faurecia will share a success story in developing and engineering a door module. The module manufacturing process will be shown and the future product strategy will be defined.

5:00 p.m. DaimlerChrysler - Chrysler Group Door Module Strategy

DaimlerChrysler (U.S.A.)

This presentation will discuss the Chrysler Group's business strategy, drivers and benefits to implementing door modules on all future vehicles from model year 2007 and onward. The design practice for the content, execution, and interface of door modules as well as integration potential and lessons learned will be highlighted.

5:30 p.m. Closing Remarks and Cocktail Reception



2:30 p.m. Cost Effective Solution for Automotive Doors - Alcoa's Thin Door Technology

Alcoa (U.S.A.)

A new development that allows automotive doors to be cost effectively light weighted while enhancing available interior space will be presented. Impacts on manufacturing robustness, quality, reliability and repairability will be discussed and supported with examples.

3:00 p.m. High Quality Soft Door Panels

Recticel N.A. (U.S.A.)

Two door panel series programs have been

Exhibitors:

- Alcoa**
- Basell Polyolefins**
- Delphi Automotive Systems**
- Empire Electronics**
- Faurecia**

- NOVA Chemicals**
- Recticel**
- Solvay Engineered Polymers**
- Ticona**
- Yazaki**

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