

# SID VEHICLE DISPLAY 2003 SYMPOSIUM AGENDA

October 13-14, 2003  
Marriott Hotel  
Ypsilanti, MI

## MONDAY, October 13, 2003

- 12:00 – 5:00 pm    **REGISTRATION**
- 2:00 – 5:00 pm    **TABLETOP EXHIBITS OPEN**
- 1:30 – 1:45 pm    Welcoming Remarks –Silviu Pala,  
*Denso International America, Southfield, MI*
- 1:45 – 2:15 pm    **Keynote Address: Design Perspective on Vehicular Displays**  
Scott Griesmann, *Daimler Chrysler America*
- 2:15 – 3:15 pm    **Human Factors Seminar**  
**Visual Human Factors and their Impact on Legibility**  
Vivek Bhise, *University of Michigan*
- 3:15 – 3:45 pm    **Refreshment Break (Tabletop Area)**

## **SESSION 1: HUMAN FACTORS (3:45 – 5:20 pm)**

Chair: R. Donofrio, *Display Device Consultants, LLC, Ann Arbor, MI*

- 3:45 – 4:05 pm    **Ambient Light Sensing and Safety for In-Vehicle Displays**  
**1.1**                    G. Lee, *Texas Advanced Optoelectronic Solutions, Plano, TX*
- 4:05 – 4:25 pm    **Development of New Physics-Based Virtual Prototyping Software**  
**1.2**                    **for Simulation and Analysis of Visual Ergonomics in Cars**  
J. Delacour, L. Fournier, L. Wharmby, and E. Humbert, *OPTIS, France*  
J-F. Legay, *Nemoptic, France*  
J-P. Menu, *IMNSSA, France*
- 4:25 – 4:45 pm    **Improved Depth Perception for Night Vision Using Patented**  
**1.3**                    **Single Lens Mono-to-Stereo Conversion Algorithms**  
A. Shulman, *For3D<sup>™</sup> Inc., Mill Valley, CA*  
J. Merritt, *The Merritt Group, Williamsburg, MA*  
D. R Snyder, *Crestview, FL*

- 4:45 – 5:05 pm    **Re-Configurable Clusters**  
1.4                    M. Moell, J. Jablonski, and M. Nazrulla, *Siemens VDO, Auburn Hills, MI*
- 5:05 – 5:20 pm    Session 1 Authors Questions and Answers

**TUESDAY, October 14, 2003**

- 7:30 am – 5:00 pm    **REGISTRATION**
- 8:00 am – 5:00 pm    **TABLETOP EXHIBITS OPEN**
- 8:30 – 8:40 am    Introductory Remarks – Robert Donofrio,  
*Display Device Consultants, LLC, Ann Arbor, MI*
- 8:40 – 9:10 am    **INVITED ADDRESS: Status of Automotive Displays in 2003**  
B. Young, *DisplaySearch, Austin, TX*

**SESSION 2: SYSTEMS AND APPLICATIONS (9:10 am – 10:45 am)**

Chair: Dr. J. Troxell, *Delphi Delco Electronics Systems, Shelby Township, MI*

- 9:10 – 9:30 am    **Flat Panel Color Cluster**  
2.1                    V. Birman and P. Birman, *Siemens VDO Automotive*
- 9:30 – 9:50 am    **White LED Backlight For Car Navigation Application Using  
Micro-Structured Light-Guide Plate**  
2.2                    K. Kalantar and K. Shimabukurol, *Nippon Leiz, Japan*  
Y. Martynov, *Lumileds Lighting Corporation*
- 9:50 – 10:10 am    **Wearable and Portable Military Displays**  
2.3                    D. D. Desjardins and D. G. Hopper, *AFRL, Wright Patterson AFB, OH*
- 10:10 – 10:30 am    **Touch Panels in the Automotive Environment**  
2.4                    B. DeVisser, *Fujitsu Components America, Inc., Sunnyvale, CA*
- 10:30 – 10:45 am    Session 2 Authors Questions and Answers
- 10:45 – 11:00 am    Refreshment Break (Tabletop Area)**
- 11:00 am – 12:00 pm    EL Seminar – Adrian Kitai,  
*McMaster University, Hamilton, Ontario, Canada*
- 12:00 – 2:00 pm    **LUNCH ON OWN**

## **SESSION 3: TECHNOLOGY DEVELOPMENTS (2:00 pm – 3:35 pm)**

*Chair: Mr. M. Larry, Ford Motor Corp., Dearborn, MI*

- 2:00 – 2:20 pm     **A New Horizon of OLED Display Technology for Automotive Applications**  
3.1  
Y. Hirai and T. Nakazawa, *Optrex Corp.*  
M. Kunigita, *Asahi Glass Co., Ltd.*
- 2:20 – 2:40 pm     **Performance Characteristics of Black Dielectric EL Displays for Broad Vehicular Usage**  
3.2  
J. Heikenfeld and A. J. Steckl, *Extreme Photonix LLC, Cincinnati, OH*
- 2:40 – 3:00 pm     **System Interfaces for Displays**  
3.3  
D. G. Hopper and F. M. Meyer, *AFRL, Wright Patterson AFB, OH*
- 3:00 – 3:20 pm     **7-inch and 3.5-inch Active Matrix TFT Displays With Mercury Free Backlight**  
3.4  
S.L. Tan, N. Loukianova, G. Binasch, J. Chen, LT D. Chan, and S. Ma, *Philips Mobile Display Systems*
- 3:20 – 3:40 pm     **2D/3D Electronically Switchable Displays**  
3.5  
J. Mather, R. Winlow, A. Jacobs, G. Jones, D. Montgomery, M. Willis, L. Hill, M. Tillin, M. Khazova and G. Bourhill, *Sharp Laboratories of Europe, UK*  
A. Imai, T. Matsumoto, Y. Koyama and T. Takatani, *Sharp Corporation, Japan*
- 3:40 – 3:55 pm     Session 3 Authors Questions and Answers
- 3:55 – 4:10 pm     Refreshment Break (Tabletop Area)**
- 4:10 – 5:45 pm     **Panel Discussion – SID-SAE-ITS Panel Discussion on the FPD Manufacturers Response to VFPD Standardization**  
Moderator: S. Pala, *Denso International America, Southfield, MI*  
Participants: Automotive OEM – Tier 1 and FPD Leaders