

SID VEHICLE DISPLAY 2004 SYMPOSIUM AGENDA

**October 21-22, 2004
Yazaki Training Center
Canton, MI**

THURSDAY, OCTOBER 21, 2004

8:00 – 9:30 am **REGISTRATION AND REFRESHMENTS**

9:00 am – 5:00 pm **TABLETOP EXHIBITS OPEN**

9:30 – 9:45 am Welcoming Remarks –Silviu Pala, Symposium Chair
Denso International America, Southfield, MI

9:45 – 10:15 am **Keynote Address**
Judith Catrine, *Director of Advanced Development,*
General Motors Electrical Group

10:15 – 10:30 am **Refreshment Break (Tabletop Area)**

10:30 – 11:30 am **HUMAN FACTORS SEMINAR**
Automotive Displays and Driver Distractions
Vivek Bhise, *University of Michigan, Ann Arbor, MI*

SESSION 1: HUMAN FACTORS (11:30 am – 12:30 pm)

Chair: V. Bhise, *University of Michigan, Ann Arbor, MI*

11:30 – 11:50 am **Automotive Display Size Determination Method**
1.1 P. Weindorf, *Visteon Corp., Allen Park, MI*

11:50 am – 12:10 pm **Full Display Instrument Clusters**
1.2 B. Dehmlow, *Yazaki America, Canton, MI*

12:10 – 12:20 pm Session 1 Authors Questions and Answers

12:20 – 2:30 pm **LUNCH AND SID METRO DETROIT CHAPTER MEETING**

SESSION 2: AUTOMOTIVE RELATED DISPLAY TECHNOLOGY (2:30 – 5:30 pm)

Chair: M. Larry, *Ford Motor Company, Dearborn, MI*

- 2:30 – 3:00 pm **INVITED ADDRESS**
 2.1 **The Worldwide Market for Automotive Display Monitors**
 B. Young, *DisplaySearch, Austin, TX*
- 3:00 – 3:20 pm **Large Area Flexible Plasma Displays**
 2.2 C. Wedding, *IST, Toledo, OH*
- 3:20 – 3:40 pm **A Review of Electron Beam Phosphor Aging and Burning in**
 2.3 **Automotive Field Emission Displays and PTVs**
 R. Donofrio, *Display Device Consultants, Ann Arbor, MI*
- 3:40 – 4:00 pm **Refreshment Break (Tabletop Area)**
- 4:00 – 4:20 pm **The Development of a Volumetric Display Based on a Stack**
 2.4 **of FLC Light-Scattering Shutters for Automotive Design**
 and Display Applications
 I. N. Kompanets, *P. N. Lebedev Physical Institute, Moscow, Russia*
- 4:20 – 4:40 pm **Electrophotographic Patterning of a Flexible Direct Drive Display**
 2.5 C. Forbes, *Visible Tech-knowledge, Hoboken, NJ*
- 4:40 – 5:00 pm **Low Cost Antireflective Automobile Display Technology**
 2.6 B. MacLeod, *TelAztec LLC, Burlington, MA*
- 5:00 – 5:30 pm Session 2 Authors Questions and Answers

FRIDAY, OCTOBER 22, 2004

- 8:00 – 8:30 am **REGISTRATION AND REFRESHMENTS**
- 8:00 am – 2:00 pm **TABLETOP EXHIBITS OPEN**
- 8:30 – 9:30 am **OLEDs SEMINAR**
 OLED Displays – An Overview
 A. Ghosh, *Eastman Kodak Company, Rochester, NY*
- 9:30 – 9:45 am **Refreshment Break (Tabletop Area)**

SESSION 3: INSTRUMENT CLUSTERS, ETC. (9:45 – 10:40 am)

Chair: B. Dehmlow, *Yazaki America, Canton, MI*

9:45 – 10:05 am **Color and Monochrome OLED Display Technology
3.1 for Automotive Applications**
Y. Hirai, Optrex America, Plymouth, MI

10:05 – 10:25 am **A Novel Control Input Interface Using OLEDs and
3.2 Proximity Based Sensing**
*J. R. Troxell, L. M. Oberdier, and M. I. Harrington,
Delphi Research Labs, Shelby Township MI*

10:25 – 10:40 am Session 3 Authors Questions and Answers

SESSION 4: PROJECTION/HUD (10:40 am – 12:00 pm)

Chair: J. R. Troxell, *Delphi Research Labs, Shelby Township MI*

10:40 – 11:00 am **Overview of Ferroelectric Liquid Crystal Technology
4.1 L. Lewis and C. Berliner, Displaytech, Inc., Longmont, CO**

11:00 – 11:20 am **Overview of the MicroHUD Laser Scanning Automotive
4.2 Head-Up Display**
R. J. Hannigan, A. Mailk, and D. Nash, Microvision, Inc., Bothell, WA

11:20 – 11:40 am **Efficient LED Illuminated HUD System
4.3 M. G. Robinson, Colorlink, Inc., Boulder, CO**

11:40 am – 12:00 pm Session 4 Authors Questions and Answers

12:00 – 1:30 pm **LUNCH**

1:30 – 3:00 pm **SID/SAE Standards Meeting**

Chair: S. Pala, *Denso International America, Southfield, MI*