



SOCIETY FOR INFORMATION DISPLAY

FIRST CALL FOR PAPERS

25th Annual Symposium on Vehicle Displays: Vehicle Displays & Interfaces 2018 September 25-26, 2018, Burton Manor Conference Center, Livonia, MI

Recognizing the economic potential of the Vehicle Display Industry, the Detroit Chapter of the Society for Information Display sponsors this annual technical symposium to support display development, training and manufacturing by bring together scientists, engineers, researchers and business professionals from the display technology, photonics, vehicle systems, academic and OEM communities. In addition to display related technology in the fields of Electronic Engineering, Physics, Applied Physics and Optics, Process and Manufacturing engineering, Automotive Human Factors, Automotive Displays, Human Machine Interface (HMI) and other related disciplines, the symposium addresses the impact of Multi Modal devices on the move toward an Autonomous Drive society.

Contributed papers are solicited in the following areas:

- **Automotive market**

- Usage of and trends in automotive displays & interfaces and applications
- Customer acceptance and feedback on different display and interface technologies
- Regulation and trends related to in-vehicle interactions

- **Display, lighting and system tech. applicable to vehicular applications or other devices for lighting, signaling, etc.**

- Display technologies and components (LCD, OLED, LEDs, MEMS, RGB Lasers, ICs, etc.)
- Optical components (illuminators, coatings, films, polarizers, lenses, prisms, etc.)
- LED, OLED or other devicing for lighting, signaling, etc.

- **Human machine interface (HMI) and system solutions to improve driver performance and user experience**

- Display system legibility (such as Electronic Mirrors), visual performance, driver distraction, etc.
- Touch screen, haptic and acoustic technologies to improve user's response
- Driver/User interfaces (devices, human factors, etc.)
- HMI tools and methods (software development) and metrology for MM (Multi Modal) HMI
- Head up displays, augmented reality, night vision systems and components
- Driver assist features (Navigation, ADAS, collision warning, etc.) toward Autonomous Drive
- Infotainment and projection displays
- Tools and techniques for measuring HMI efficacy

- **Application issues with vehicular displays, lighting, and HMI**

- Optical, mechanical, electrical, and thermal performance
- Modeling and Simulation
- Metrology and Testing
- Electrical interfaces (ICs, connectors, power management, video communication, etc.)

- **Advanced technologies for displays, touchscreens, sensors and processors.**

- Sunlight readable, curved, flexible, low power, ultra-high contrast displays and touch technologies
- Flexible and color E-Paper technologies (low power, sunlight readable)
- Metal oxides and organic semiconductors based flexible electronics
- Nano-materials and nanotechnology
- Touch input devices
- Photovoltaic devices

- **NEW for 2018: A limited number of student travel grants will be awarded to student speakers (must be requested when submitting the abstract)**

- **NEW for 2018: A Best Paper Award will be based on the best submitted Digest Paper**

All interested authors are invited to submit abstracts for presentations, particularly in the areas noted above. The deadline for abstracts is June 8, 2018. Authors will be notified by July 6, 2018. Authors of accepted papers are expected to submit a complete paper for inclusion in the Conference Digest that will be distributed to all attendees at the Symposium. The deadline for receipt of papers is August 17, 2018. Authors are expected to present at the symposium.

PLEASE SUBMIT A ONE-PAGE ABSTRACT TO:

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