

## Vehicle Displays & Interfaces

Detroit, MI  
September 27-28, 2022



### FIRST CALL FOR PAPERS 29th Annual Symposium on Vehicle Displays & Interfaces 2022 September 27-28, 2022, Sheraton Detroit Novi Hotel, Novi, MI [www.vehicledisplay.org](http://www.vehicledisplay.org)

The Detroit Chapter of the Society for Information Display sponsors this annual technical symposium to support display and interface development, training, and manufacturing by bringing together scientists, engineers, researchers, and business professionals from the display technology, photonics, vehicle systems, academic, and OEM communities. In addition to display-related technologies in the fields of electronic engineering; physics; applied physics; optics; manufacturing engineering; automotive human factors; automotive displays; human machine Interface (HMI); form factors; and other related disciplines, the symposium addresses the evolution toward electric vehicles (EVs) and autonomous vehicles (AVs). **Contributed papers are solicited in the following areas:**

#### **Automotive market**

Usage of and trends in automotive displays and interfaces and applications  
Customer acceptance of 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 devices for lighting, signaling, etc.

#### **Digital video systems** such as electronic mirrors or camera monitor systems

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

Display system legibility, visual performance, driver distraction, etc.  
Touchscreen, haptic, and acoustic technologies to improve user response  
Driver/user interfaces (devices, human factors, etc.)  
HMI tools and methods (software development) and metrology for multi-modal (MM) 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 display systems, lighting, touch, 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 semiconductor-based flexible electronics  
Nanomaterials and nanotechnology  
Touch input devices  
Photovoltaic devices  
Electronic mirrors

- **A limited number of student travel grants will be awarded to student speakers (must be requested when submitting the abstract)**
- **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 17, 2022. Authors will be notified in early July 2022. 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 12, 2022. Authors are expected to present at the symposium.

[CLICK HERE TO SUBMIT A ONE-PAGE ABSTRACT](#)

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