

CALL FOR PAPERS
30th Annual Symposium on Vehicle Displays & Interfaces 2023
September 26-27, 2023, Huntington Place, Detroit, MI
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 9, 2023. Authors will be notified in early July 2023. 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 11, 2023. Authors are expected to present at the symposium.

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