

## Internationally Recognized Electronic Imaging Experts Set to Present at EI 2019 Symposium

*Registration is now open for the IS&T International Symposium on Electronic Imaging (EI 2019), held this coming January in Silicon Valley. EI 2019 is the world's leading global electronic imaging industry and academia symposium.*

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### WHAT:

[Registration is officially open](#) for the [2019 IS&T International Symposium on Electronic Imaging \(EI 2019\)](#). The annual Symposium, organized by the [Society for Imaging Science and Technology \(IS&T\)](#), features cutting-edge research and innovation from leaders driving electronic imaging such as Mobileye, Google, Oculus VR, and more.

### WHEN:

EI 2019 runs January 13–17, 2019, at the [Hyatt Regency San Francisco Airport](#) in Burlingame, California.

### DETAILS:

The Symposium features theme days, plenary speakers, 16 individual conferences, and 25 technical courses, and includes cross-topic joint sessions, keynote speakers, and peer-reviewed research presentations.

### ***Theme Days***

Symposium organizers created theme days to allow attendees to dig deeper into the topics of **Autonomous Vehicle Imaging, 3D Imaging, Augmented Reality, Virtual Reality, and Light Field Imaging**. Dive deep into the topics through featured plenary talks, symposium sessions, and short courses.

## ***Plenary Speakers***

Leading researchers from Intel, University of Arizona, and Google present the latest advancements in autonomous driving technology and virtual and augmented reality.

- **Amnon Shashua**, CEO and CTO, **Mobileye**, and Senior Vice President of **Intel Corporation**, will discuss the use of computer vision and artificial intelligence in the design of autonomous vehicles. Inspired by human vision, the Jerusalem based Mobileye mono-camera enables Advanced Driver Assist Systems (ADAS) in automobiles to support sensing, mapping, and driving policy.
- **Hong Hua**, Professor of Optical Sciences, **University of Arizona**, will discuss the high promises and the tremendous progress made recently toward the development of head-mounted displays (HMD) for both virtual and augmented reality displays; and
- **Paul Debevic**, Senior Scientist, **Google**, highlights the impact of light fields in virtual reality to further enhance the user experience.

## ***Conferences***

EI 2019 brings together 16 [technical conferences](#) covering all aspects of electronic imaging:

- 3D Measurement and Data Processing 2019
- Autonomous Vehicles and Machines Conference 2019
- Color Imaging XXIV: Displaying, Processing, Hardcopy, and Applications
- Computational Imaging XVII
- The Engineering Reality of Virtual Reality 2019
- Human Vision and Electronic Imaging 2019
- Imaging and Multimedia Analytics in a Web and Mobile World 2019
- Image Sensors and Imaging Systems 2019
- Image Processing: Algorithms and Systems XVII
- Image Quality and System Performance XVI
- Intelligent Robotics and Industrial Applications using Computer Vision 2019
- Material Appearance 2019
- Media Watermarking, Security, and Forensics 2019
- Photography, Mobile, and Immersive Imaging 2019
- Stereoscopic Displays and Applications XXX
- Visualization and Data Analysis 2019

## ***Technical Short Courses***

The [Short Course Program](#) at EI 2019 is a valuable, affordable resource—**geared toward anyone who wants to acquire knowledge, explore new areas, or gain a deeper understanding of imaging topics.**

The Short Course Program delves into topics ranging from computer vision for autonomous driving to deep learning for image and video processing to building your own VR headset— and everything in between. The courses range from introductory to advanced and are all taught by industry innovators and experts from around the world.

Highlights of this year's Short Course Program include:

- (NEW!) [Developing Enabling Technologies for Automated Driving](#)
- [Fundamentals of Deep Learning](#)
- [Build Your Own VR Display: An Introduction to VR Display Systems for Hobbyists & Educators](#)
- (NEW!) [An Introduction to Blockchain](#),
- (NEW!) [Digital Image Forensics](#),
- [Using Cognitive & Behavioral Sciences and the Arts in Artificial Intelligence Research & Design](#)
- [Introduction to TensorFlow](#)

## **MORE:**

EI2019 is an entire week of intertwined imaging science events that allow attendees to expand their knowledge and networks. The conference technical programs are enhanced with:

- An industry exhibit showcasing electronic imaging products and services
- A "hands-on" Demonstration Session where authors and others show the hardware and software presented in papers
- The Women in Electronic Imaging breakfast
- Opportunities for students to meet with interested industry representatives
- The SD&A 3D Theater showcasing examples of the best international stereoscopic productions

**About Electronic Imaging:** For 30 years, the [Electronic Imaging Symposium](#) has been serving those in the broad community—from academia and industry—who work on imaging science and digital technologies. The scope of the Symposium includes the entire imaging science ecosystem, from capture (sensors, cameras) through image processing (image quality, color, and appearance) to how humans and machines see and interpret traditional and multi-dimensional images and videos. For more information, follow [@ElectroImaging](#) on Twitter.

**About IS&T:** The [Society for Imaging Science and Technology \(IS&T\)](#) is an international professional non-profit dedicated to keeping members and other imaging professionals apprised of the latest developments in the field through conferences, educational programs, publications, and its website. IS&T programs encompass all aspects of the imaging workflow, which moves from capture (sensors, cameras) through image processing (image quality, color, and materialization) to hard and soft copy output (still, motion, print, displays, image permanence), and includes aspects related to human vision and machine vision, such as object recognition, image quality, and color. The Society also focuses on a wide range of image-related applications, including security, virtual reality, mobile imaging, and data analysis. Follow IS&T on Twitter: [@ImagingOrg](#).