

## OSSC Combined In-Person & Webinar " Overview of Automotive Cameras."

**Dr. Elaine Jin, Principal Hardware Engineer - Camera Systems,**  
 **RIVIAN**

**Abstract:** The automotive industry is going through transformational changes. Many vehicles on the road today are equipped with some levels of ADAS (advanced driver assistance system) and autonomy features. Automotive cameras have been playing an important role in this transformation. In this talk, Dr. Elaine Jin will present an overview of automotive cameras, including the concept of auto grade cameras, levels of autonomy, the automotive use cases and requirements for automotive cameras, and the challenges in designing and developing the automotive cameras.

**About our Speaker:** Elaine Jin is currently a director of camera systems at Rivian Automotive, LLC. She has a PhD in Optical Engineering from Zhejiang University in China, and a PhD in Visual Sciences from the University of Chicago. She has spent 25 years working in the imaging industry, including technical and management roles at Intel, Nvidia and Google. She has authored 25 journal and conference publications and is the inventor of 15 US patents.



**At least one Rivian vehicle will be on site to experience the camera and other systems live.**

### Experience the Thorlabs Mobile Photonics Lab



This special mobile lab will be parked in front of The Urban Workshop for all to experience.



### Advisory Board Meeting 4 pm at the Urban Workshop

Special invitations are being sent to members of the Southern California precision optics manufacturing community to attend this meeting. Others are welcome to attend. Please **register for this activity during your meeting registration process** if you would like to attend.

AmeriCOM is currently discussing a potential new program at Santa Ana College Manufacturing Technology Dept.

### OSSC Combined In-person and Online Event March 13, 2024

#### REGISTRATION REQUIRED

**Reception: 6:00pm Dinner: 7:00pm Presentation: 8:00pm**  
**Dinner - Members: \$35 Non-Members: \$40 Students: \$10**

**Late Fees of \$10, after 11:59 pm March 8**

**Venue: [The Urban Workshop](#)  
[365-A Clinton Street, Costa Mesa, CA 92626](#)**

**No fee for in-person without dinner or for online attendees**

#### Registration Required

**[Online Registration until Tue. March 12, 2024](#)**

**[Register Here for In-Person and Online Attendance](#)**

**[www.osscc.org](http://www.osscc.org)**

**Please post and invite friends to attend.**

