

# OptiCon23

## Optics User Conference

**Date:** November 24, 2023  
**Time:** 3:00 – 8:00 pm (IST)  
**Venue:** DoubleTree by Hilton Hotel  
 C-32, MIDC Tata Motors Rd, Chinchwad,  
 Pune, Maharashtra 411019, India

[Register Now ▶](#)

(Limited Seats Available | Invitation-only event)



Light is EVERYWHERE! From brightening our homes, improving safety in mobility, advancing healthcare imaging, to unveiling mysteries in astronomy, lighting and illumination technology is ever evolving. Driven by technological innovation, a range of optical applications like street and safety lighting systems, photonic integrated circuits, machine vision systems, digital lighting systems, displays play a crucial role in transforming today's world.

However, engineering these sophisticated applications requires a comprehensive set of optical design and analysis solutions to ensure their optimal performance, proper integration, and validation. Today's systems may also demand assessment of environmental conditions that they may be exposed to. Given these complex asks, simulation becomes a vital part of engineering these products with significant cost and time savings. It empowers engineers to perform Multiphysics analysis, sensor modelling, and virtual validation at ensure first-time-right design even before prototyping.

Join us for SimLight, Ansys Optics Design & Simulation Conference, where engineering leaders and simulation experts from across industries will discuss various aspects of optical product design, challenges, their first-hand experiences, and the role of simulation. Participants will gain insights into complex Multiphysics challenges and digital engineering optimization techniques to speed up the development of your products. This conference is a unique opportunity to network with industry peers and Ansys simulation experts.

### / Key Discussion Topics:

- End-to-end Optical design & simulation
- Optical system optimization & tolerance
- System design - 3D environment, lighting evaluation, human vision rendering, perceived quality
- Physics-based sensor simulation
- Multi-physics STOP Analysis
- Photonics Design & Simulation

### / Who Should Attend

- Automotive OEMs
- Component suppliers (Lighting, Digital Cockpit, ADAS)
- Engineering Service Providers
- Optical Component Manufacturers
- Photonic Component Design Industries
- R&D, Product Development, and Quality Functions

### Agenda //

03:00 pm - 04:00 pm	Registration & Welcome
04:00 pm - 04:10 pm	Introductory Note
04:10 pm - 04:30 pm	Industry Keynote
04:30 pm - 04:50 pm	Ansys Keynote
04:50 pm - 05:10 pm	Advancing end-to-end Optical Design and Simulations from waves to rays
05:10 pm - 05:30 pm	Technology Leader presentation - I
05:30 pm - 05:50 pm	High-tea
05:50 pm - 06:10 pm	Technology Leader presentation - II
06:10 pm - 06:30 pm	Simulating nanoscale light interactions with photonics
06:30 pm - 06:50 pm	Ansys Speos - From Automotive & Beyond!
06:50 pm - 07:10 pm	Design for manufacturability with Ansys Zemax
07:10 pm - 07:40 pm	Fireside Chat- "Accelerating Automotive Optics Development - Scope & Opportunities"
07:40 pm - 07:55 pm	Impact and Benefits of Ansys Innovation Courses
07:55 pm - 08:00 pm	Closing Address
08:00 pm - 10:00 pm	Networking Dinner and Cocktails