



## **Laser Hazard Analysis: A Design Skill for Optical Engineers and Researchers Agenda**

### **Day 1 — Calculation Foundations (4 hours)**

- Introduction and framing the business problem
- Vocabulary primer for attendees with no safety background
- Laser bioeffect basics
- MPE for direct exposure, with worked example
- Break
- Safety factor
- Optical density requirements

### **Day 2 — Application (4 hours)**

- Homework Review
- Brief recap and questions
- NOHD, with worked example
- Diffuse reflections and extended source MPEs, with worked example
- Break
- Nominal Hazard Zone, with worked example
- Multiple-pulse MPEs, with worked example
- Wrap and Q&A