



Himpunan Optika Indonesia (HOI)  
Indonesian Optical Society (InOS)



International  
Day of Light  
16 May

Kampus  
Merdeka  
INDONESIA JAYA

# SCoMOA 2025

## The International Summer Course on MODERN OPTICS and ITS Applications

Univ. Udayana, Bali, 25-28 July 2025

### TOPICS AND LECTURERS

- ✓ **Fundamentals of Optics**  
Dr. Agoes Soehanie, ITB, Indonesia
- ✓ **Theory of Optical Waveguides**  
Dr. Muldarisnur, Univ. Andalas, Indonesia
- ✓ **Lab works on Optical Mode Solving**  
Prof. Henri P. Uranus, Univ. Pelita Harapan, Indonesia
- ✓ **Optical Fibers**  
Prof. Henri P. Uranus, Univ. Pelita Harapan, Indonesia
- ✓ **Optical Periodic System and Photonic Crystals**  
Prof. Alexander Iskandar, ITB, Indonesia
- ✓ **Plasmonics**  
Dr. Priastuti Wulandari, ITB, Indonesia
- ✓ **Solar Cells**  
Prof. Rahmat Hidayat, ITB, Indonesia
- ✓ **Laser Induced Breakdown Spectroscopy**  
Dr. Ali Khumaeni, Univ. Diponegoro, Indonesia
- ✓ **Fiber Sensors**  
Prof. Agus M. Hatta, ITS, Indonesia
- ✓ **Fiber Lasers**  
Prof. Sulaiman W. Harun, Univ. Malaya, Malaysia
- ✓ **FEM Modelling in Photonics**  
Prof. B. M. A. Rahman, City, Univ. of London, UK
- ✓ **Lab Experiments**  
Prof. Hery Suyanto, Univ. Udayana, Indonesia
- ✓ **Introduction to Integrated Photonics**  
Prof. David Marpaung, Univ. Twente, NL
- ✓ **Introduction to Metasurfaces**  
Prof. Olivier J. F. Martin, EPFL, Switzerland
- ✓ **Introduction to Quantum Optics**  
Prof. Takashi Kuroda, Nat. Inst. for Mat. Sci., Japan

### Important Dates

- ✓ Deadline of Registration **12 Jul 25**
- ✓ First Day of Summer Course **25 Jul 25**
- ✓ Last Day of Summer Course **28 Jul 25**

- Certificate
- Syllabus
- Evaluation score

### COURSE STRUCTURE

- ✓ Lectures
- ✓ Lab Works
- ✓ Homeworks
- ✓ Groupworks/Paper Writing
- ✓ Discussions
- ✓ Evaluation

### ACTIVITY MODE

- ✓ Onsite for Indonesian participants
- ✓ Onsite or online synchronous for overseas participants

### LEARNING LOAD

- ✓ 16 x 100 mins
- ✓ Possible for credit earning (MBKM)

### REGISTRATION FEES

- ✓ No registration fee, but participants should secure their live expenses by their own

### Organized by

- ✓ The Indonesian Optical Society
- ✓ Dept. Electrical Eng., Univ. Pelita Harapan, Indonesia
- ✓ Dept. Physics, Univ. Udayana, Indonesia
- ✓ Dept. Physics, Institut Teknologi Bandung, Indonesia
- ✓ Dept. Engineering Physics, Institut Teknologi Sepuluh Nopember, Indonesia
- ✓ Univ. Malaya, Malaysia

Registration

<https://bit.ly/SCoMOAReg>

More  
Information

<https://scomoa.indonesianoptics.org>