# Programme

## Guided by Light - Student Conference 2025

1st to 2nd September 2025
Tyndall National Institute
Cork, Ireland

# Organisers

The student conference is organised by the Irish SPIE and Optica student chapters, and the Photonic Integration and Advanced Data Storage Centre for Doctoral Training (PIADS CDT).

**Student organisers:**

Kaynat Alvi, Tyndall National Institute

Louise Frost, Tyndall National Institute

Jorge Lasarte, Technological University Dublin

Chiara Maria Mariani, University College Dublin

# Sponsors

**This conference is made possible through the generous support of:**

SPIE.

OPTICA

EPSRC & **Research Ireland** funded Centre for Doctoral Training in

**PHOTONIC**
**INTEGRATION** AND
**ADVANCED**
**DATA**
**STORAGE**

OLLSCOIL TEICNEOLAÍOCHTA
BHAILE ÁTHA CLIATH
TU DUBLIN
TECHNOLOGICAL
UNIVERSITY DUBLIN

MTU
Ollscoil Teicneolaíochta na Mumhan
Munster Technological University

*Innovation Through Light*
CAPPA
**CENTRE FOR ADVANCED PHOTONICS**
**& PROCESS ANALYSIS**

# PROGRAMME

| Time | Session |
|------|---------|
| 10:00-10:30 | **Arrival of participants at Tyndall National Institute** |
| 10:30-11:00 | **Welcome** |
| 11:00-12:00 | **Keynote**<br>**Photonics: Past, Present, and Most Importantly, the Future**<br>Paul Townsend<br>Tyndall National Institute |
| 12:00-12:15 | **Coffee break** |
| 12:15-13:00 | **Invited talk**<br>**Photonics technologies for real-world deployment of quantum technologies**<br>Jennifer Hastie<br>University of Strathclyde, Glasgow |
| 13:00-14:00 | **Lunch** |
| 14:00-17:30 | **Workshops for skills development** |
| 14:00-17:30 | **Presentation skills**<br>Gavrielle Untracht<br>Technical University of Denmark | **AI and Photonics**<br>tbc |
| | **Comfort break from 15:30-16:00** |
| 18:30 | **Conference dinner** |

This programme may be subject to change.

# PROGRAMME

| | |
|---|---|
| **09:00-13:00** | **Industry visits**<br><br>Participants will get to choose to visit one out of three companies to learn about their R&D work.<br>Further details tbc |
| **13:00-14:00** | **Lunch** |
| **14:00-15:30** | **Panel discussion**<br>**PhD and Beyond - Career Panel**<br><br>**Panellists confirmed:**<br>Cara-Lena Nies ,Tyndall National Institute<br>Emer O'Shea, University College Cork<br>Paul Beecher, Consultant Science Policy |
| **15:30-15:45** | **Break** |
| **15:45-16:30** | **Invited talk**<br>**tbc** |
| **16:30-16:45** | **Break** |
| **16:45-17:30** | **Invited talk**<br>**tbc**<br>Brian Vohnsen<br>University College Dublin |
| **17:30** | **Conference close** |
| **18:30** | **Post-conference pizza dinner and networking** |