

# CTU-NTUST Bilateral Workshop on Photonics Research and Collaboration

June 19, 2026

**Venue:** Czech Technical University in Prague, Faculty of Electrical Engineering  
Technická 2, 160 00 Prague 6, Czech Republic | Room: T2:B2-s141k

## Workshop Overview

The CTU-NTUST Bilateral Workshop on Photonics Research and Collaboration is an academic event fostering cooperation between the Czech Technical University in Prague and the National Taiwan University of Science and Technology. This workshop focuses on groundbreaking innovations in integrated photonics, advanced sensing technologies, and material science. Experts from both institutions will present recent breakthroughs, providing a platform for high-level knowledge exchange and international research partnerships.

## Target Audience

This workshop is specifically designed for Master and PhD students, academic researchers, and industry professionals in the field of electronics, photonics, and microelectronics. It offers unique insights into state-of-the-art semiconductor fabrication, optical communication, and sensing applications. Admission to the seminar is free and open to the public.

## Program Schedule

	Speaker	Presentation Details
9:30-10:00		<b>Development of optical phased arrays for optical sensing</b> <b>Professor San-Liang Lee</b> Department of Electronic and Computer Engineering, NTUST <a href="#">Profile</a>
10:00-10:30		<b>MOCVD for Photonic Integrated Circuits (PICs)</b> <b>Akihiko Kasukawa</b> Visiting Professor, Yushan Fellow (MoE Taiwan), NTUST
10:30-11:00		<b>Fully integrated silicon photonic swept-source OCT with on-chip main and auxiliary interferometers</b> <b>Professor Shih-Hsiang Hsu</b> Department of Electronic and Computer Engineering, NTUST
11:00-11:15		<b>Measurements of EDWA chip insertion losses &amp; luminescence spectra of Er<sup>3+</sup>/Al<sub>2</sub>O<sub>3</sub> layers</b> <b>Associate Professor Vítězslav Jeřábek</b> Optoelectronics Group, Dept. of Microelectronics, FEL, CTU <a href="#">ORCID: 0000-0002-4212-7574</a>
11:15-11:30		<b>EDWA chips coverage by the Er<sup>3+</sup>-doped Al<sub>2</sub>O<sub>3</sub> layers using the ALD and vacuum sputtering</b> <b>Associate Professor Jan Voves</b> Electron Devices Group, Dept. of Microelectronics, FEL, CTU <a href="#">ORCID: 0000-0003-1333-087X</a>
11:30-11:45		<b>Power over Fiber systems</b> <b>Associate Professor Václav Prajzler</b> Optoelectronics Group, Dept. of Microelectronics, FEL, CTU <a href="#">ORCID: 0000-0002-9636-8939</a>

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