

CTU-NTUST Bilateral Workshop on Photonics Research and Collaboration

IB 202, National Taiwan University of Science and Technology, Taipei, Taiwan (R.O.C.)
September 3 2024

9:30 – 9:50 Reports

9:50 – 10:00 Remarks



Chair Professor San-Liang Lee
Department of Electronic and Computer Engineering
National Taiwan University of Science and Technology

10:00 – 10:30 Optoelectronics group research activities past, now, and future prospects



Associate Professor Václav Prajzler, Optoelectronics Group
Department of Microelectronics, Faculty of Electrical Engineering
Czech Technical University in Prague
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10:30 – 11:00 Progress in the research of optically active materials and planar integrated structures



Associate Professor Vítězslav Jeřábek, Optoelectronics Group
Department of Microelectronics, Faculty of Electrical Engineering
Czech Technical University in Prague
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11:00 – 11:30 Semiconductor-based plasmonic metallic nanostructure arrays with highly ordered periodicity for SERS application



Chair Professor Jinn P. Chu
Department of Materials Science and Engineering
National Taiwan University of Science and Technology

11:30 – 12:00 Brief overview of optical wireless communications



Distinguished Professor Shien-Kuei Liaw
Department of Electronic and Computer Engineering
National Taiwan University of Science and Technology

12:00 – 14:00 Lunch

14:00 – 14:30 Illuminating the nanoscale: plasmonic sensor structures for enhanced raman spectroscopy and catalyzing physical-chemical processes



David Mares, Optoelectronics Group
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14:30 – 15:00 Photonic router configurations in hierarchical photonic routing networks



Professor Kimio Oguchi
Department of Electronic and Computer Engineering
National Taiwan University of Science and Technology

15:00 – 15:20

Coffee/tea

15:20 – 15:50 High-Q Bloch surface wave laser for ultrasensitive sensing



Assistant Professor Yang-Chun Lee
Department of Electronic and Computer Engineering
National Taiwan University of Science and Technology

15:50 – 16:20 Overview of the lab works on optical wireless communications

Associate Professor Jiun-Yu Sung
Department of Electronic and Computer Engineering
National Taiwan University of Science and Technology

16:20 – 16:50 Frequency-modulated continuous-wave ranging through timing jitter correction



Professor Shih-Hsiang Hsu
Department of Electronic and Computer Engineering
National Taiwan University of Science and Technology

16:50 – 17:00 Closing Remarks by Chair Professor San-Liang Lee