

Seminars

2023-2024

11.06.2024	inż. Antonina Bieganowska	Experimental determination of the phase diagram of an optically trapped exciton-polariton condensate
04.06.2024	mgr inż. Katarzyna Posmyk	Probing the exciton fine structure of 2D perovskites using magneto-optical spectroscopy
28.05.2024	mgr Mohammad Sahnawaz Alam	Strain Characterization and Power Dependence in Laser-Written Diamond Waveguides Using Zero-Field ODMR Spectra of an Ensemble of NV Centers
21.05.2024	mgr inż. Tristan Smółka	Optical properties of low-dimensional semiconductor structures designed for application in mid-infrared emitters
14.05.2024	mgr inż. Maciej Jaworski	Focused ion beam fabrication of quantum dot photonic structures for quantum communication applications
07.05.2024	mgr inż. Katarzyna Ignatowicz	Investigation of optical properties of selected van der Waals magnetic semiconductors
23.04.2024	prof. dr hab. inż. Paweł Machnikowski	Resonance fluorescence of a quantum dot with acoustically modulated transition energy
16.04.2024	mgr inż. Michał Rygała	Mid-infrared spectroscopy of InAs/GaSb and InAs/InAsSb type-II superlattices
09.04.2024	Michelle Lienhart	Quantum dot molecules as spin-photon interfaces for applications in quantum communication
26.03.2024	dr inż. Karol Kulinowski	Electric Field Distribution in GaN-Based Semiconductor Structures
19.03.2024	mgr inż. Agata Zielińska	Electrical contacts for transition metal dichalcogenides – transport and optical properties studies
12.03.2024	mgr inż. Kamil Misztal	Photoacoustic spectroscopy: an enhancement of the photoacoustic signal and its analysis from the perspective of heat generation
05.03.2024	mgr inż. Wiktor Żuraw	Perovskite Solar Cells: A Spectrum of Possibilities

23.01.2024	mgr inż. Emilia Zięba-Ostój	Optical properties and dynamics of neutral and charged excitons in the MoTe ₂ monolayer in a metal-oxide-semiconductor device
16.01.2024	mgr inż. Agata Tołkoczko	Photoemission spectroscopy of the group IV-VI van der Waals crystals
09.01.2024	mgr Michał Wiśniewski	Parametryzacja metody k·p w oparciu o obliczenia ab-initio
19.12.2023	dr Agata Sabik	Optyczne i elektronowe właściwości materiałów van der Waalsa: AsSbS ₃ i GeSe _{0.5} S _{0.5}
05.12.2023	mgr inż. Karolina Ciesiołkiewicz	Optical Fiber-Enhanced Photoreflectance and Contactless Electoreflectance Measurements for van der Waals crystals and layers Characterization
28.11.2023	mgr inż. Monika Mikulicz	Tunable high contrast grating vertical-cavity surface-emitting lasers
21.11.2023	dr hab inż. Małgorzata Kopytko, prof. WAT	Zobaczyć podczerwień – zastosowanie termografii
14.11.2023	dr inż. Artur P. Herman	Pursuing the quest for better understanding of long-lived photo-generated charge carriers in modern semiconductors
31.10.2023	Dr Kuei-Yi Lee	InSe pn diode fabrication and its basic application
24.10.2023	mgr inż. Hanna Woźnica	The synthesis and characterization of cadmium-based colloidal quantum wells and their heterostructures
17.10.2023	mgr inż. Daria Hlushchenko	Waveguide-coupled light photodetectors based on exfoliated transition metal dichalcogenides
10.10.2023	mgr Liudmyla Filevska	Optyczne, elektryczne i adsorpcyjne właściwości nanowarstw i nanocząstek dwutlenku cyny
03.10.2023	mgr inż. Dąbrowka Biegańska	Anomalous dispersion and dissipative coupling in AlGaAs exciton-polariton structure