

17.06.2025	Dr. Aleksandra Wierzbicka	X-ray diffraction of nanowires – opportunities and challenges
03.06.2025	Dr. Marta Sobańska	Growth mechanisms and properties of GaN nanowires crystallized by Plasma-Assisted MBE
27.05.2025	Mgr inż. Bartosz Kamiński	High pressure gas spectroscopy in industrial conditions – keeping up with industrial requirements as a young researcher
20.05.2025	Karolina Orłowska & Maciej Jaworski	The Language of Light, the Logic of Industry: Raman Spectroscopy in Practice
13.05.2025	Prof. Michał Nikodem	Optical spectroscopy... but different: gas sensing with lasers
06.05.2025	Mgr inż. Miłosz Rybak	Theoretical studies of van der Waals magnets from the MPS <sub>3</sub> family combined with ARPES experiments
29.04.2025	Mgr inż. Ewelina Cybula	Strain Engineering of TMDs Monolayers on GaAs Nanomembranes
15.04.2025	Mgr inż. Adrian Kaim	Towards Greener Detection: Self-Powered Photodetectors Based on a Ferro-Pyro-Phototronic Effect
08.04.2025	Prof. Ewa Przeździecka	Short-Period oxide superlattices {CdO/MgO}, {ZnO/CdO} obtained by plasma assisted Molecular Beam Epitaxy
01.04.2025	Mgr inż. Igor Perlikowski	Epitaxially grown ZnCdO:Eu alloys for ultrafast broadband photodetection
25.03.2025	Dr Bartosz Bondzior	Advances in Luminescent Glass, Glass-Ceramics, and Composites for Sensing, Lighting, and Biomedicine
18.03.2025	Mgr inż. Jakub Ziembicki	My DFT Midlife Crisis: From Rigid Silicon to Floppy Polarons
11.03.2025	Dr. Paweł Mrowiński	Interesting aspects of InAs quantum dots to be used as quantum emitters for on-chip nanophotonics

04.03.2025	Dr. Sebastian Arabasz	SEM/FIB Systems: Versatile Platforms for Semiconductor Research and Processing
28.01.2025	Mgr inż. Marek Mikulicz	Heterogeneous integration of InAs/InP quantum dots with photonic integrated circuits operating at 1550 nm
21.01.2025	Mgr inż. Tristan Smółka	Optical properties of low-dimensional semiconductor systems intended for use in mid-infrared radiation emitters
14.01.2025	Dr. Agata Szczeszak	Employing Rare-Earth-Doped Nanoparticles as Luminescent Tags: Diverse Applications in Biomedicine, Security, and Labeling
07.01.2025	Mgr inż. Agata Tołłoczko	Investigation of the anisotropic optical and electronic properties of group IV-VI van der Waals crystals
17.12.2024	Mgr inż. Tomasz Gzyl	Structural and optical properties of micrometric all-inorganic halide perovskite powders doped with transition metals and lanthanide ions
10.12.2024	Mgr inż. Aleksandra Piasecka	Local Thermodynamics of Photons in Broad-Area VCSELS
03.12.2024	Dr. Krzysztof Tyszką	Optical neurons based on semiconductor microcavities
26.11.2024	Prof. Karol Bartkiewicz	Quantum exceptional points of non-Hermitian systems
19.11.2024	Dr Łukasz Przypis	Sustainable Lead Management in Halide Perovskite Solar Cells – The Path to Perovskite Commercialization
12.11.2024	Dr. Bartosz Krajnik	Fluorescence Microscopy of Single Nanostructures: From Imaging to Molecular Dynamics
05.11.2024	Prof. Łukasz Kłopotowski	Probing the photoluminescence mechanism in lead- and cadmium-free semiconductor nanocrystals
29.10.2024	Dr. Magdalena Marciniak	Vertical-cavity surface-emitting lasers with non-circular optical apertures
22.10.2024	Prof. Maciej Molas	Excitons and phonons in van der Waals materials
15.10.2024	Mgr inż. Maciej Śmiertka	Using Excitons to Probe Magnetic Order and Vibrational Modes in 2D Materials