

SenDiSo Workshop:

Bridging between Materials Research and Advanced Sensor and Detector Technologies

Date: June 16th 2025

Venue: Sál V. Dvořáka: hlavní sál - A/1.NP/10, FZÚ, Na Slovance 1999/2, 182 00 Praha 8 (entrance from Pod Vodárenskou Věží 1)

Directions: <https://www.fzu.cz/en/about-fzu/main-building-na-slovance-site>.

Program

9:30 – 10:00	Get together, coffee
10:00 – 10:10	Welcome and introduction (J. Dostalek)
10:10 – 10:30	Jan Kral, High loading nanocomposites of cesium lead halide nanocrystals for radiation (FZU, WP3)
10:30 – 10:50	Marketa Vrabцова, Antifouling polymer brushes for improved analytical performance in biosensing (FZU, WP2)
10:50 – 11:10	Ivana Venkrbcova, MoS ₂ deposition by HiPIMS (FZU, WP1)
11:10 – 11:30	Kateřina Jiřiková, High-fidelity detection of scattering amplitude and phase (UFE, WP5)
11:30 – 11:50	Bengisu Yöney, Pathogen-on-a-Chip: Impedance-Based Detection of Biofilm Formation and Inhibition by <i>Staphylococcus aureus</i> and <i>Staphylococcus epidermidis</i> , (MUNI, WP5)
12:00 – 13:00	Lunch
13:00 – 13:20	Jan Kejzlar, Black metals films for chemical sensors (FZU, WP4)
13:20 – 13:40	Vendula Hrnčířová, Metal-diamond complexes with enhanced plasmonic effects (CVUT, WP1)
13:40 – 14:00	Michal Jakl, ?? (HEYROVSKY, WP4)
14:00 – 14:20	Veronika Hovanova, Design and Fabrication of DNA Origami Cubes as Model Systems for Nanofluidic Scattering Microscopy (FZU, WP2)
14:20 – 14:40	Stanislav Michal, Summary of the most important results of the JLO Applied Optics Group (UPOL, WP3)
14:40 – 14:50	Wrapping up (J. Dostalek)
15:00 – 15:30	Informal discussions, coffee

Zoom link for online participation:

<https://bokuvienna.zoom.us/j/65381735221?pwd=5WeacuqO7taMywoy9h5RpbrjJ2a4g.1>