

## Micro symposium and V4 project meeting

J. Heyrovsky Institute of Physical Chemistry, Brdička lecture hall, ground floor

### Program

Wednesday July 31<sup>st</sup> 2024

9:30 Arrival to the Institute  
9:55 Opening of the micro symposium (Martin Kalbáč – Vice Director of UFCH JH)

#### Plenary talk

10:00 **prof. Junji Kido:** 35 Years of OLED Research

#### Invited talks

J. Heyrovsky Institute of Physical Chemistry, room 108, 1<sup>st</sup> floor

11:00 **prof. Akito Masuhara:** Synthesis of Highly Luminescent Organic-Inorganic Hybrid Perovskite Quantum Dots in Ambient Conditions

11:20 **prof. Takayuki Chiba:** Aromatic Ligand Exchanged Perovskite Nanocrystals for Highly Efficient Light-Emitting Diodes

11:40 **prof. Daniel Prochowicz:** Single-crystalline lead halide perovskite for high performance photodetectors

12:00 **Lunch break**

13:00 **prof. Gergely Samu:** Light Emission Properties of Ternary Cesium–Copper Halide Pseudo-Perovskite Films

13:20 **prof. Jana Vejpravova:** Research on van der Waals materials in MGML - possibilities of collaboration

13:40 Coffee break

#### Contributed talks

14:00 **Taisei Kimura:** Surface Modification of Perovskite Quantum Dots Based on Comprehensive Ligand Design for Light-Emitting Diode

14:20 **Oleksandr Volochanskyi:** Unusual Polarization Sensitivity in Hybrid Perovskite Coupled with Graphene

14:40 **Karol Vegso:** The detection of X-ray induced electric current in perovskite QDs films.

15:00 **Cintia Hajdu:** Possibilities of halide exchange in pseudo-perovskite thin films

15:20 **Judit Czigeldrom-Korom:** Spectroelectrochemistry of 2D lead-halide perovskite thin films

15:35 **Haruka Abe:** Development of CsPbI<sub>3</sub> perovskite nanocrystals thick films for photodetector applications

16:00 **Lab tour**

17:00 **End of the micro symposium**