|  |  |
| --- | --- |
|    | **Workshop - Horizon Europe programme projects MSCA-SE at the IAPS, FST University of Latvia**Thursday, **14 February 2025, 1:00-5:00 PM** **Online**, Zoom |

**Programme**

|  |
| --- |
| **Chair: Inga ŠĪRANTE, Acting director,** IAPS, FST University of Latvia |
| **13.00–13.15** | ***Introduction, Welcome*** |
| **13.15–13.30** | **Valentina GARGIULO**, Claudio CLEMENTE, Luciana CIMINO, Michela ALFE | **Production of core-shell Metal Organic Frameworks (MOFs) Hybrids for Sensing Applications**HE MSCA project no 101086364 – Sens4Corn |
| **13.30–13.45** | **Viktor ZABOLOTNII**,Artis KINENS, Roman VITER, Martin SAHUL | **Investigation of polymorphism in organic luminophores**HE MSCA project no 101086364 – Sens4Corn |
| **13.45–14.00** | **Iryna TEPLIAKOVA** | **Photochemical sensor application of Salan-type ligands TFA salts for Cu²⁺ and Fe³⁺ detection in aqueous media**HE MSCA project no 101086364 – Sens4Corn |
| **14.00–14.15** | **Ambra FIORAVANTI,** Viktor ZABOLOTNII, Martin SAHUL, Roman VITER | **Hydrothermal synthesis and characterization of h-WO3 pure and doped with transition metal ions**HE MSCA project no 101086364 – Sens4Corn |
| **14.15–14.30** | **A. Konieva,** D. Aguilar-Ferrer, G. Wennemuth, I. Iatsunskyi, I. Kube-Golovin, Maksym Pogorielov, O. Gogotsi, V. Deineka, V. Zahorodna | **Photothermal Targeted Ablation of Melanoma Using MXene-PDA-anti-CEACAM1 Complex**HE MSCA project no 101086184 – MX-MAP, MSCA4Ukraine project no 1232462 |
| **14.30–14.45** | **Maksym Pogorielov,** Aleksei GOGOTSI, Igor IATSUNSKYI, Inna CHORNA, Irina KUBE-GOLOVIN, Ivan BAGINSKIY, Kateryna DIEDKOVA, Sergiy KYRYLENKO, Veronika ZAHORODNA; Viktoriia KORNIIENKO, Volodymyr DEINEKA | **Biocompatibility of MXenes: influence of flake size and surface terminations**HE MSCA project no 101086184 – MX-MAP, MSCA4Ukraine project no 1232462 |
| **14.45–15.00** | **Irfan HANIF,** Igor IATSUNSKYI | **Harnessing Hybrid Nanoarchitectures for Next-Generation Photoelectrochemical Energy conversion**HE MSCA project no 101131147 – ESCULAPE; SONATA BIS project 2020/38/E/ST5/00176 (Poland) |
| **15.00-15.15** | **A.Popov,** V.Lisyte, S.Ramanavicius A.Kausaite-Minkstimiene, V.Zahorodna, O.Gogotsi, A.Ramanaviciene | **Development of Ti₃C₂Tₓ MXene-Based Electrochemical Biosensor for Glucose Detection**HE MSCA project no 101131147 – ESCULAPE |
| **15.15-15.30** | **Teodora Velcheva KIROVA**, Michele DELVECCIO, Ennio ARIMONDO, Donatella CIAMPINI, Najmeh Eshaqi SANI, Sandro WIMBERGER | **Quantum control via the Autler-Townes effect**HE MSCA project no 101131418 – Q-DYNAMO |
| **15.30-15.45** | **Johannes Hecker DENSCHLAG** | **Experiments with ultracold atoms and molecules in Ulm**HE MSCA project no 101131418 – Q-DYNAMO |
| **15.45-16.00** | **Arunas RAMANAVICIUS**, Viktorija LIUSTROVAITE, Yana KARNITSKAYA, Maryia DROBYSH, Ernestas BRAZYS, Alma RUCINSKIENE, Vilma RATAUTAITE, Ieva PLIKUSIENE, Julija SERVUTIENE, Urte PRENTICE, Sarunas ZUKAUSKAS, Almira RAMANAVICIENE | **Development of Molecularly Imprinted Polymer based Affinity Sensors**HE MSCA project 101086441 – ARGO |
| **16.00-16.15** | **A.Butsyk,** A.Berglund, M.Ebrahimi, M.Pogorielov, R.Moskalenko, R.Banasiuk, J.Bugaytsova, T.Borén | **Application of Silver Nanoparticles in Root Canal Treatment**HE MSCA project no 101086441 – ARGO |
| **16.15-16.30** | **V.Holubnycha,** V.Korniienko, P.Myronov | **Silver Nanoparticles Antibiofilm Activity Against ESKAPE Bacteria**HE MSCA project no 101086441 – ARGO |
| **16.30-17.00** | ***Uestions and Answers, Discussion, Conclusions*** |