

**7th meeting of the research center project of Charles University
Center of Nano- and Bio-Photonics (UNCE/SCI/010)**

June 24th (Thursday), 2021, 9:00 – 12:10

Faculty of Mathematics and Physics, Ke Karlovu 3, Prague 2,

Hybride form: M1 lecture hall and MS Teams



Aim

Presentation of recent achievements by PhD students and junior (senior) members of the Center.

Language: The talks will be performed in English (one presentation with discussion 20 min)

Programme

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| 9:00 – 9:05 | Jan Valenta: <i>Introduction – solving technical issues (Teams ...)</i> |
| 9:05 – 9:25 | Ondřej Pavelka: <i>Hybride nanoallotrope particles: Gold nanoclusters on gold nanorods</i> |
| 9:25 – 9:45 | Sofie Ju: <i>Polymer coated cerium oxide nanoparticles as nanomedicine</i> |
| 9:45 – 10:05 | Pavel Pleskunov: <i>Niobium nanoparticles by gas aggregation for advanced fingerprinting of biomolecules</i> |
| 10:05 – 10:25 | break |
| 10:25 – 10:50 | Dmytro Vorontsov: <i>Cd-free photoluminescent composites based on the ternary chalcogenides QDs</i> |
| 10:50 – 11:10 | Pavel Peterka: <i>Silicon nanostructures for efficient high-harmonic generation</i> |
| 11:10 – 11:30 | Tomáš Malina: <i>Energy Transfer in Artificial Light-Harvesting Aggregates of Bacteriochlorophyll c</i> |
| 11:30 – 11:50 | Tereza Svatoňová, Anna Fučíková: <i>Time identification of the fingerprints</i> |