

DPhyMS Workshop

- Edition 2024 -

December 4, 2024

“Maison des Arts et des Etudiants” – Belval Campus



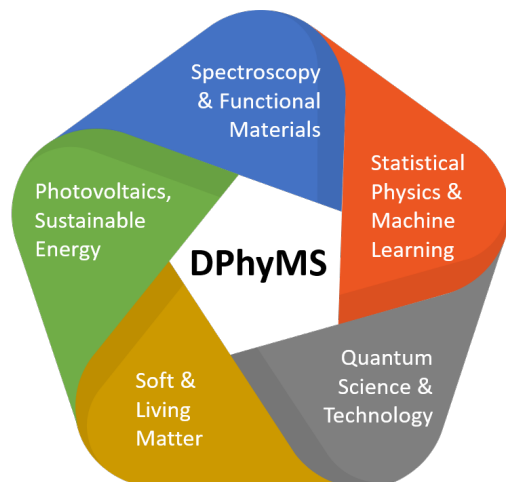
UNIVERSITY OF LUXEMBOURG
Department of Physics
and Materials Science

Registration deadline:
November 22st, 2024



DPhyMS Workshop

Edition 2024 Program



- 12:30 Registration
- 13:00 Welcome & Opening Remarks
- 13:15 **Plenary Lecture:** “Attosecond chronoscopy: from atoms to condensed matter”. External Guest Speaker: Prof. Dr. Joachim BURGDÖRFER, Institute for Theoretical Physics, Vienna University of Technology.
- 14:15 ***Soft and Living Matter Cluster***
“Microbes in porous environments: from active interactions to emergent feedback”, Biophysical Reviews (2024), Invited speaker: Dr. Chenyu JIN
- 14:40 ***Photovoltaics, Sustainable Energy Cluster***
“Understanding and decoupling the role of wavelength and defects in light-induced degradation of metal-halide perovskites”, Energy & Environmental Science (2024), Invited speaker: Dr. Jeremy HIEULLE
- 15:05 Coffee Break and Poster Session
- 15:45 ***Spectroscopy & Functional Materials Cluster***
“Sub-8-fs pulses in the visible to near-infrared by a degenerate optical parametric amplifier”, Optics Letters (2023), Invited speaker: Dr. Thomas DECKERT
- 16:10 ***Quantum Science & Technology Cluster***
“Stochastic Operator Variance: An Observable to Diagnose Noise and Scrambling”, Physical Review Letters (2023), Invited speaker: Pablo MARTINEZ-AZCONA,
- 16:35 ***Statistical Physics & Machine Learning Cluster***
Talk A. “Nonideal Reaction-Diffusion Systems: Multiple Routes to Instability”, Physical Review Letters (2023), Invited speaker: Dr. Timur ASLYAMOV
- 17:00 Talk B. “Second quantization of many-body dispersion interactions for chemical and biological systems”, Nature Communications (2023), Invited speaker: Dr. Matteo GORI
- 17:25 ***“The physics of blood flow”***
Invited speaker: Prof. Dr. Christian Wagner, Universität des Saarlandes and Honorary Professor at DPhyMS, Uni.lu.
- 17:50 **Association Luxembourgeoise des Physiciens – APHYL a.s.b.l**
- 18:00 Concluding Remarks & Award Voting
- 18:15 **Aperitif, Awards, Seated Dinner and Entertainment by DPhyMS members**



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