

Online project meeting

December 9th 2021, 8:50 – 13:30

List of Talks

- 8:50: Introduction
- 9:00: I. Favero (CNRS): Electro-OptoMechanical Modulation Instability ⁽¹⁾
- 9:30: S. Sbarra (CNRS): Multimode optomechanical weighting of a single nanoparticle ⁽²⁾
- 10:00: A. Eichler (ETH): Membrane-Based Scanning Force Microscopy
- 10:30: BREAK
- 11:00: F. Marin (CNR): Two-dimensional quantum motion of a levitated nanosphere
- 11:30: K. Børkje (USN): Nonclassical photon statistics in two-tone continuously driven optomechanics ⁽³⁾
- 12:00: A. Chowdhury / A. Tuan Le (UKON): Iterative precision spectroscopy for a two-level nanomechanical system.
- 12:30: U. Delić (UNIVIE): Trap array of levitated nanoparticles for (quantum) sensing
- 13:00: Discussion and Conclusions

(1) <https://journals.aps.org/prl/abstract/10.1103/PhysRevLett.126.243901>

(2) [arXiv:2111.10121](https://arxiv.org/abs/2111.10121)

(3) [arXiv:2108.10738](https://arxiv.org/abs/2108.10738)