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# Nanoscience Laboratory Kick Off Meeting

## 1 December, 2022

Room A204 and A108, Polo Ferrari 1, via Sommarive 9, Povo (Trento)

The meeting aims at making the point of the research activities to pave the way to the future research programs of the Nanoscience Laboratory. This year we welcome two long seminars on topics related to metamaterials and to photovoltaics. In addition, four research teams, formed by the scientists of the lab, will address the audience with the state of the art of their research in nanoscience, biology and photonics.

### Room A204

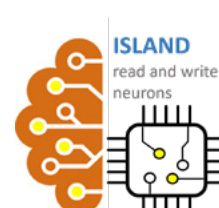
- 14.30 Welcome remarks, **Lorenzo Pavesi**
- 14.35-15.30 *Optical and mechanical wave manipulation in dielectric metasurfaces*, **Alessandro Pitanti**
- 15.30-16.00 *Non-Hermitian Physics in Microresonators*, **Stefano Biasi, Riccardo Franchi, Bülent Aslan** - Non-Hermitian team
- 16.00-16.30 *The Quantum Photonics Job: spectroscopy, simulation and communication experiments*, **Stefano Azzini, Alessio Baldazzi, Nicolò Leone, Chiara Michelini, Matteo Sanna, Alessandro Zecchetto** - Quantum team
- 16.30 Coffee break

### Room A108

- 17.00-17.30 *Photovoltaic windows for buildings*, **Claudio Castellan**
- 17.30-18.00 *Exploring neuronal circuits*, **Beatrice Vignoli, Ilya Auslander, Francesca Pischedda, Clara Zaccaria, Asye Malkoç, Yasaman Heydari, Paolo Brunelli** - Bio team
- 18.00-18.30 *Bio-inspired optical neural networks: brain meets photonic circuits*, **Mattia Mancinelli, Giovanni Donati, Emiliano Staffoli, Gianmarco Zanardi** - Neuromorphic photonic team

The meeting is open to the public and the participation is free of charge.

Within the research projects:



#### Contacts

**Camilla Kandamulla Arachchige**  
Nanoscience Laboratory  
Department of Physics  
c.kandamulla@unitn.it