



**“NON-CONVENTIONAL WAVE PROPAGATION FOR FUTURE SENSING AND
ACTUATING TECHNOLOGIES”
SECOND WORKSHOP**

September 19, 2019, Rome, Italy
Crowne Plaza Rome
Room E Fabiana

- 10:20 - 10:45 **Prof. Hatice Altug**, EPFL, Swiss Federal Institute in Lausanne, Switzerland
Optical Metasurfaces for Biosensing and Bioluminescence
- 10:45 - 11:10 **Prof. Andrea Alu**, City University of New York, USA,
Metamaterial technology for sensing
- 11:10 - 11:35 **Dr. Oubo You**, University of Birmingham, UK,
Topological metamaterials
- 11:35 - 12:00 **Prof. Andrey Sukhorukov**, Australian National University, Australia,
Enhanced Polarization Sensing with Non-Hermitian Metasurfaces
- 12:00 - 12:15 **Dr. Bakhtiyar Orazbayev**, EPFL, Swiss Federal Institute in Lausanne, Switzerland
Time modulated sensors based on PT symmetry physics
- 12:15 - 12:30 **Dr. Nikolina Jankovic**, BioSense Institute, Serbia
Dispersion control of spoof-fluid-spoof acoustic waveguides by external pressure, and their application in wave manipulation and gas sensing
- 12:30 - 12:45 **Prof. Franco Marabelli**, Plasmore, Italy
Looking for signal enhancement and tunability on sensor oriented plasmonic gratings
- 12:45 - 13:00 **Dr. Nikolay Zografov**, Sofia University "St. Kliment Ohridski" Faculty of Physics, Bulgaria,
Biosensing on Metasurfaces - Ellipsometric Assay