



## Fourth NOCTURNO Workshop

June 5, 2023  
Online event

Dear Colleagues,

We cordially invite you to attend the final event of the NOCTURNO project **Fourth NOCTURNO Workshop** that will be held **online on June 5<sup>th</sup>, 2023**. The event will bring together distinguished speakers to present the major **results of the NOCTURNO project**, but it will be also a unique opportunity to get acquainted with the **latest achievements in the fields of electromagnetic and acoustic metamaterials and their application in sensing and actuating technologies**.

**NOCTURNO project** - Non-Conventional Wave Propagation for Future Sensing and Actuating Technologies is funded through H2020-MSCA-RISE programme, and it focuses on development of sensors and actuators based on non-conventional propagation of acoustic waves in artificial media, electromagnetic/optical sensors based on metasurfaces, and advanced manufacturing technologies with the aim to provide practical solutions for the fabrication of novel acoustic and metasurface-based sensors and actuators.

The project consortium comprises renowned research groups from BioSense Institute, Serbia, École Polytechnique Fédérale de Lausanne, Switzerland, University of Birmingham, UK, Sofia University St. Kliment Ohridski, Bulgaria, City University of New York and the University of Texas at Austin, USA, and Australian National University, Australia as well as the SME Plasmore, Italy. More information can be found at [www.nocturno-h2020rise.com](http://www.nocturno-h2020rise.com)

**Preliminary workshop program (the program is given in Central European Time):**

10:00-10:40	<b>Dr. Deepthy Kavungal, EPFL, Switzerland,</b> <b><i>Mid-infrared plasmonic metasurfaces for biosensing</i></b>
10:40-11:20	<b>Dr. Rohit Chikkaraddy, University of Birmingham, UK,</b> <b><i>Colour at Nanoscale</i></b>
11:20-12:00	<b>Prof. Lilia Vladimirova, Sofia University St. Kliment Ohridski, Bulgaria,</b> <b><i>Biosensors based on metamaterials</i></b>
12:00-13:00	<i>Break</i>
13:00-13:40	<b>Dr. Anton Perchikov, BioSense Institute, Serbia,</b> <b><i>An Asymmetric Spoof-Fluid-Spoof Acoustic Waveguide and its Application as a CO2 Sensor</i></b>
13:40-14:20	<b>Prof. Franco Marabelli, Plasmore, Italy,</b> <b><i>Detection of specific biomarkers using plasmonic metasurfaces</i></b>
14:20-15:00	<b>Prof. Andrea Alu, Advanced Science Research Center, City University of New York, USA</b> <b><i>Nonlocal Metasurfaces for Imaging and Sensing</i></b>

**To register for the Workshop**, please fill in the form at <https://forms.gle/Sjor7yZvfcpnLe2GA> which requires only full name, affiliation, and e-mail address. The link to the workshop will be sent to all registered e-mail addresses.

You are welcome to **share this information** with your colleagues and other students who may be interested to attend the Workshop.

Looking forward to seeing you in the Workshop.

Best regards,  
Nikolina Jankovic,  
Coordinator of NOCTURNO