

First NOCTURNO Workshop

July 6th 2018

Lausanne, Switzerland



Dear Colleagues,

This is to remind you that the **First NOCTURNO Workshop** will be held on **July 6th 2018 in Lausanne, Switzerland**. 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** as well as with the relevant state-of-the-art manufacturing technologies.

Tentative Workshop Programme

Time	Speaker	Title
8:30-9:20	Dr. Andreas Tittl	Mid-IR Metasurfaces
9:20-10:10	Prof. Franco Marabelli	Metasurface Based Biosensors - From Idea to Market: an Example
10:10 - 10:30	Coffee break	
10:30-11:20	Prof. Hatice Altug	Nanoplasmonic Biosensor and Nanofabrication Methods
11:20-12:10	Dr. Karim Achouri	Synthesis and applications of electromagnetic metasurfaces in the linear and nonlinear regimes
12:10-13:10	Lunch break	
13:10- 13:30	Dr. Nikolina Jankovic	Project NOCTURNO – progress and recent results
13:30- 14:20	Dr. Norbert Cselyuszk	Electromagnetic and Acoustic Sensors Based on SPP-Like Wave Propagation for Monitoring of Binary Gas/Liquid Mixtures
14:20-14:40	Coffee break	
14:30-15:30	Prof. Romain Fleury	Topological Electromagnetic and Acoustic States at the Sub-Wavelength Scale
15:30-16:20	Prof. Dragomir Neshev	Tunable optical metasurfaces - applications to sensing
16:20-16:50	Coffee break	
16:50-17:40	Prof. Andrea Alu	Parity-Time Symmetry and Embedded Eigenstates Using Metamaterials
17:40-18:30	Dr. Jensen Li	Willis Medium and Unidirectional Zero Reflection

To register for the Workshop, please send an e-mail to nocturnoh2020@biosense.rs, with the subject NOCTURNO Workshop registration and your name and affiliation in the email body.



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, City University of New York and University of Texas at Austin, USA, and Australian National University, Australia as well as two SMEs - Plasmore, Italy and Inosens, Serbia.

Please find more information at the project website <http://nocturno-h2020rise.com>

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,

Dr Nikolina Janković,

NOCTURNO Project Coordinator

