



EMPHASIS
RESEARCH
CENTRE

LAUNCH EVENT

25/11/2020

10:00-13:30

EMPHASIS is a multidisciplinary research centre involving departments from the School of Engineering and School of Pure & Applied Sciences from the University of Cyprus. Join us online to learn more about our labs' research in the key enabling technologies behind the digital revolution: electronics, microwaves & antennas, photonics and sensors.

SCHEDULE:

All times EET (Eastern European Time)

10:00 - 10:10: Introduction

Prof. Tasos Christofides, Rector of the University of Cyprus

10:10 - 10:20: Introductory Remarks

Dr. Nikolas Mastrogiannopoulos, Chief Scientist for Research and Innovation

10:20 - 10:50: EMPHASIS Research Centre: Vision & Goals,

Prof. Stavros Iezekiel, Acting Director of EMPHASIS

Break

11:00 - 11:30: EMPHASIS Research Laboratory Presentations

11:30 - 13:30: Presentation of Selected Research Projects in Electronics, Microwaves & Antennas, Photonics and Sensors

SESSION 1: 11:30 -12:30

- Medical Electronics, Prof. Julius Georgiou
- Sensors for Precision Agriculture, Dr Marios Sophocleous
- Resveratrol loaded Polymeric Micelles for Theranostic Targeting of Breast Cancer Cells, Dr Yiota Grigoriou
- White Light Emitting Structures Based on III-Nitrides and Lead Halide Perovskite Nanocrystals, Dr Modestos Athanasiou
- Multi-bacteria, Multi-antibiotic Testing Using Surface Enhanced Raman Spectroscopy (SERS) for Urinary Tract Infection (UTI) Diagnosis, Dr Katerina Hadjigeorgiou

BREAK

SESSION 2: 12:30 -13:30

- Electric-Field Measurements of Microwave Circuits, Dr Haris Votsi
- Integrated Circuits for RF Metasurfaces, Loukas Petrou/Kypros Kossifos
- Influence of Carriers in Spin Pumping in Organic Semiconductors, Mr Constantinos Nicolaidis
- Microwave Photonics for Space, Georgios Charalambous
- Wireless Power Transfer (WPT) and Far-Field RF Energy Harvesting, Dr Abdul Quddious



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