



NATIONAL LABORATORY



ULM UNIVERSITY



RUSSIAN ARMENIAN UNIVERSITY



YEREVAN STATE UNIVERSITY



Nanoplasmonics and Applications

WORKSHOP FOR YOUNG SCIENTISTS

Supported by:

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Committee of Science of the Republic of Armenia through the Grant #16GE-038

Organizing Committee:

M. Gonçalves, Ulm University
A. Melikyan, Russian-Armenian University
H. Minassian, Yerevan Physics Institute

October 1 - 4, 2018 | Yerevan, Armenia

PROGRAM

October 1

14:00 Prof. Dr. Christine Kranz - Institute of Analytical and Bioanalytical Chemistry, Ulm University
"From Applied Spectroscopy to Microelectrochemistry". Invited talk

14.45 Discussion

15:00 Prof. Hayk Minassian - A. Alikhanyan National Laboratory, Yerevan
"Plasmonic properties of MXenes". Invited talk

15:30 Discussion

15:45 – 16:15 Coffee break

16:15 Prof. Dr. Kay Gottschalk - Institute of Experimental Physics, Ulm University
"Interaction of light with metals: using metal induced energy transfer to decipher the structure of cells". Invited talk

17:00 Discussion

17:15 Prof. Armen Melikyan - RAU
"MXenes as SERS substrates". Invited talk

17:45 Discussion

October 2

14:00 Dr. Manuel Gonçalves - Institute of Experimental Physics, Ulm University
"Plasmonic resonators and metasurfaces". Invited talk

14:45 Discussion

15:00 Prof. Khachatour Nerkararyan - Faculty of Radiophysics, YSU
«Semicylindrical microresonator: excitation, modal structure, and Q-factor». Invited talk

15:30 Discussion

15:45 -16:15 Coffee break

16:15 PhD student Gregor Neusser - Institute of Analytical and Bioanalytical Chemistry, Ulm University
"Focused Ion Beam Microscopy - Some Basics and Applications".

17:00 Discussion

October 3

14:00 - 16:00 Round table discussions

October 4

14:00 - 16:00 Round table discussions

18:00 Closing

The workshop will take place in Ibis hotel, address: 5/1 Northern Ave, Yerevan 0001