



HEMMAGINERO workshop timetable (hall 3, 1st floor)

Wednesday, August 25 th 2021
09.00 – 09.25 A. Krmpot – <i>Institute of Physics Belgrade, Serbia</i> Opening - HEMMAGINERO project overview, imaging and physical aspects of the project
09.25 – 09.50 I. Drvenica – <i>Institute for Medical Research, Belgrade, Serbia</i> Biological and medical aspects of the HEMMAGINERO project
09.50 – 10.05 M. Radmilović – <i>Institute of Physics Belgrade, Serbia</i> Interaction of ultrashort laser pulses with hemoglobin, photophysical and photochemical approach
10.05 – 10.20 M. Matić – <i>Institute for Oncology and Radiology, Belgrade, Serbia</i> Ektacitometry method in HEMMAGINERO project
10.20 – 10.40 Coffee break
10.40 – 10.55 D. Pavlović – <i>Institute of Physics Belgrade, Serbia</i> Two photon excitation fluorescence imaging of erythrocytes
10.55 – 11.10 S. Nikolić – <i>Institute of Physics Belgrade, Serbia</i> Fluorescent correlation spectroscopy and potential applications to erythrocytes
11.10 – 11.25 Discussion break
11.25 – 11.45 R. Pan – <i>DESY, Hamburg, Germany</i> Explore THz driven dynamic of hemoglobin for future biomedical application
11.45 – 12.05 R. Podlipec – <i>Jožef Stefan Institute, Ljubljana, Slovenia</i> Advanced imaging and manipulation of hemoglobin/erythrocytes in retinal vessels
12.05 – 12.25 E. Gutiérrez-Jiménez – <i>Aarhus University Hospital, Aarhus, Denmark</i> In-vivo imaging of blood oxygenation and hemodynamics in the mouse brain
12.25 – 12.35 Discussion
12.35 – 14.30 LUNCH BREAK
14.30 – 14.50 V. Ilić – <i>Institute for Medical Research, Belgrade, Serbia</i> Flow cytometry of erythrocytes
14.50 – 15.10 S. Aškračić and N. Lazarević – <i>Institute of Physics Belgrade, Serbia</i> Inelastic light scattering of organic compounds: A case of dried hemoglobin
15.10 – 15.25 S. Despotović – <i>Faculty of Medicine, University of Belgrade, Serbia</i> Second harmonic generation imaging of collagen structures
15.25 – 15.40 T. Pajić – <i>Faculty of Biology, University of Belgrade, Serbia</i> In vivo third harmonic generation imaging of filamentous fungi
15.40 – 16.00 Discussion and closing remarks
16.00 – 16.20 Coffee break
18.00 – 20.30 Excursion (boat trip and sightseeing from Belgrade rivers)