

Sunday, March 11th

16.30 - 17.00	Refreshments and Opening ceremony
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Chairman: Bratislav Marinković

17.00 - 17.30	Dejan Zečević Electrical structure of dendritic spines: a voltage imaging study with patterned illumination based on computer-generated holography (CGH).
17.30 – 18.00	Biljana Babić Fast, cost-efficient, synthesis of shining carbon dots

Chairman: Hrvoje Skenderović

20.00 - 20.30	Saša Dujko Electron transport, propagation of streamers and the possibility of lightning in the atmosphere of Titan
20.30 - 20.50	Marko Nikolić High pressure luminescence properties of $Y_2MoO_6:Sm^{3+}$ and $Y_2MoO_6:Eu^{3+}$
20.50 - 21.10	Aleksander Kovačević Formation of LIPSS on Al/Ti thin metal films by scanning of low-fluence femtosecond beam during cross-directional scanning
21.10 - 21.20	Coffee break
21.20 – 21.40	Boban Zarkov Measurement capabilities of Laboratory for photometry and radiometry in Directorate of measures and precious metals
21.40 – 22.00	Pavle Andus Историјат наше Биофизике у време и после Југославије

Monday, March 12th

16.00 -16.30	Refreshments
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Chairman: Ljupčo Hadžievski

16.30 - 17.00	Pavle Andus AUTOIGG: automated functional screening of IgGs for diagnostics of neurodegenerative diseases
17.00 - 17.30	Francesco Cataliotti A quantum phase-gate based on quantum Zeno dynamics
17.30 – 17.40	Coffee break
17.40 – 18.10	Hrvoje Skenderović Digital holography under restricted conditions

Chairman: Darko Vasiljević

20.00 - 20.30	Bratislav Marinković Photon interaction with (bio)molecules - Near-edge X-ray absorption fine-structure (NEXAFS) spectroscopy
20.30 - 20.50	Igor Jakovcevski Embryonic loss of HCN/h-channel function in mouse forebrain results in impaired neural progenitor proliferation and microcephaly
20.50 - 21.10	Vladimir Damljanović Symmetry induced electronic dispersions in two-dimensional materials
21.10 - 21.20	Coffee break
21.20 – 21.40	Dragutin Šević Effects of temperature on luminescent properties of $\text{YVO}_4:\text{Eu}^{3+}$ nanophosphor
21.40 – 22.00	Olga Fedotova Vortex Light Bullets Formation at Femtosecond Filamentation in Kerr Media
22.00 – 22.20	Oleg Khasanov Terahertz radiation efficiency in nanocomposite structures with large permanent dipole moment

Tuesday, March 13th

16.00 -16.30	Refreshments
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Chairman: Pavle Andus

16.30 - 17.00	Srdan Antić Vicissitudinous Nature of Action Potential Backpropagation in Cortical Pyramidal Neurons
17.00 - 17.30	Vesselin Donchev Surface Photovoltage Spectroscopy Studies of Optoelectronic Materials and Nanostructures
17.30 – 17.40	Coffee break
17.40 – 18.10	Ljupčo Hadžievski Multi sensor system for noninvasive detection of cardiovascular pulsations of the human body

Chairman: Francesco Cataliotti

20.00 - 20.30	Suzana Petrović Laser surface texturing of Ti-based multilayers for biomedical application
20.30 - 20.50	Marin Šoufek History and achievements of SEM-FIB techniques
20.50 - 21.10	Duška Popović Optimal discrimination between n pure quantum states
21.10 - 21.20	Coffee break
21.20 – 21.40	Marija Čurčić Towards realization of frequency doubled VECSEL for Rydberg spectroscopy in rubidium and potassium
21.40 – 22.00	Dragan Lukić Anidolic lighting for atelier
22.00 – 22.20	Natalie Sauchyna-Imbro Polymer–CNT composite fiber properties

Wednesday, March 14th

16.00 -16.30	Refreshments
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Chairman: Aleksander Kovačević

16.30 - 16.50	Stanko Tomić
16.50 - 17.10	Branislav Jelenković Slow propagation of pulses by Four-Way Mixing in Potassium vapor
17.10 – 17.30	Svetlana Dmitrović Synthesis and characterization of fluorescent spider silk coated with Eu-doped nanoceria
17.30 – 17.40	Coffee break
17.40 – 18.00	Darko Vasiljević Mechanical effects of photophoresis on nanometer scale structures
18.00 – 18.20	Jelena Kršić Exact Solutions for Perfect Transfer in Commensurate Waveguide Arrays
18.20 – 18.40	Jelena Mitrić Surface optical phonon-plasmon interaction in nano-dimensional CdTe thin films

20.00 -	Conference dinner
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