

**Scientific program of the bilateral KFU – SBU Seminar on  
Modern Trends in Material Science**

***Monday, September 26***

8.30 – 9.00	<i>Ezeddin Mohajerani</i>	<b><i>Layer architecture in NLO and optoelectronics of organic materials</i></b>
9.00 – 9.30	<i>Hamid Latifi</i>	<b><i>Application of film optic sensors in biosensors and microfluidics</i></b>
9.30 – 9.45	<i>Alireza Niknam</i>	<b><i>The effect of ponderomotive force on the self-focusing and self-compression of a laser pulse in plasma</i></b>
9.45 – 10.00	<i>Vladimir Naletov</i>	<b><i>Controlling the damping of magnetic insulators</i></b>
<b><i>Coffee break</i></b>		
10.30 – 10.45	<i>Marat Gafurov</i>	<b><i>EPR for study of nanosized materials</i></b>
10.45 – 11.00	<i>Syedhassan Tavassoli</i>	<b><i>Laser Induced Breakdown Spectroscopy (LIBS): Basic Aspects, Instrumentations and Applications</i></b>
11.00 – 11.15	<i>Seyedeh Mehri Hamidi</i>	<b><i>Magnetoplasmonics: basic aspects and applications</i></b>
11.15 – 11.30	<i>Irek Mukhamedshin</i>	<b><i>Broadband NMR and strongly-correlated systems</i></b>
11.30 – 11.45	<i>Farit Vagizov</i>	<b><i>Mössbauer spectroscopy and its applications. Recent researches on Mössbauer spectroscopy at the Institute of Physics</i></b>
<b><i>11.45 – 13.00 Free time for contacts and discussions</i></b>		
<b><i>13.00 – 14.00 Lunch</i></b>		
14.00 – 14.15	<i>Fazel Jahangiri</i>	<b><i>THZ imaging and spectroscopy</i></b>
14.15 – 14.30	<i>Niyaz Beysengulov</i>	<b><i>Confined Wigner Solid on Liquid Helium</i></b>
14.30 – 14.45	<i>Mohammadali Ansari</i>	<b><i>Optical Diffuse Tomography</i></b>
14.45 – 15.15	<i>Lenar Tagirov</i>	<b><i>Ferromagnetic resonance – a powerful tool to characterize functional magnetic</i></b>
<b><i>Coffee break</i></b>		
16.00 – 16.15	<i>Mohammad Ismail Zibaii</i>	<b><i>Optogenetics</i></b>
16.15 – 16.30	<i>Seyedeh Mehri Hamidi (on behalf of Dr. Tehranchi)</i>	<b><i>Magnetic field sensors and optical pumping magnetometer</i></b>
16.30 – 16.45	<i>Atoosa Sadat Arabanian</i>	<b><i>Femtosecond Micromachining</i></b>
16.45 – 17.15	<i>Roman Yusupov</i>	<b><i>Femtosecond Hyperacoustics and Magnetometry</i></b>

***18.00 – 19.30 Workshop dinner (University Cafeteria)***