

# International School on Metamaterials and Nanotechnologies

24 – 28 December 2017, Tsakhkadzor, Armenia

## Program

<b>Sun 24.12.2017</b>	<b>Arrival of the participants to Tsakhkadzor, accommdation in the Writers House</b>
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<b>Monday 25 December 2017</b>			
09:00	12:30	<b>MOUNTAIN SKIING</b>	
13:00	14:30	<b>Lunch</b>	
		<b>Chair:</b>	<b>Title of lecture</b>
14:30	15:30	Alexey Kavokin	"Excitons and superconductivity"
15:30	16:30	Alexey Kavokin	
16:30	16:45	<b>Chair:</b>	<b>Coffee break</b>
16:45	17:45	Alexey Kavokin	"Light-mediated superconductivity"
17:45	18:15	Nikita Kavokin	"Single particle effects in nanoscale fluids"

<b>Tuesday 26 December 2017</b>			
09:00	12:30	<b>MOUNTAIN SKIING</b>	
13:00	14:30	<b>Lunch</b>	
		<b>Chair:</b>	<b>Title of lecture</b>
14:30	15:30	Sergey M. Arakelyan	"New dimensional cluster physics for the laser-induced topological nanostructure thin films on solid surface: basic principles and possible applications"
15:30	16:15	Valerii S. Zapasskii	"Optical detection of magnetization in evolution "
16:15	16:30	<b>Chair:</b>	<b>Coffee break</b>
16:30	17:15	Sergey M. Arakelyan	"Laser-induced new spatial structures of both different topology and symmetry (carbon/metal/metal-carbon complexes)"
17:15	17:45	Kirill Kavokin	"Deep cooling of nuclear spins in semiconductor structures"
17:45	18:15	Alexey Rubtsov	"Numerically exact treatment of open quantum systems"
19:30		<b>Social Dinner in the Restaurant of Tsakhkadzor</b>	

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<i>Wednesday 27 December 2017</i>			
09:00	12:30	<b><i>MOUNTAIN SKIING</i></b>	
13:00	14:30	<b><i>Lunch</i></b>	
14:30	17:00	<b><i>Chair:</i></b>	<b><i>Title of lecture</i></b>
14:30	15:15	Hayk Sarkisyan	"Physical properties of the semiconductor spherical and cylindrical nanolayers"
15:15	16:00	Hayk Sarkisyan	"Thermodynamic and magnetic properties of electron gas in the parabolic quantum dots"
16:00	16:15	<b><i>Chair:</i></b>	<b><i>Coffee break</i></b>
16:15	17:00	David Hayrapetyan	"Conical quantum dots: exciton states and optical properties"
17:00	17:45	David Hayrapetyan	"Application of Wolfram- Mathematica for modeling of quantum dots"
17:45	18:15	Ivan Ryzhov	"Tomographic resources of spin noise spectrscopy"
<b><i>Friday 28 December 2017</i></b>			
<b><i>Last day of the School — departure of the participants</i></b>			