

Monday (9 july)

- 10:00-10:15 **CONFERENCE OPENING**
- 10:15-11:00 *Nikolic Branislav*
ORIGINS OF NONLOCAL RESISTANCE IN MULTITERMINAL GRAPHENE: SPIN HALL AND VALLEY ALL VS. OTHER COMPETING EFFECTS
- ☕ 11:00-11:30 Coffee break
- 11:30-12:10 *Lozovik Yurii*
NEW PHASES AND CONTROLLING IN 2D EXCITON SYSTEMS
- 12:10-12:40 *Moitri Maiti*
BULK BOUNDARY CORRESPONDENCE AND DYNAMICAL PHASE TRANSITIONS IN ONE DIMENSIONAL SPT SYSTEMS
- 12:40-13:00 *Kotov Andrey*
LATTICE STUDY OF PHASE DIAGRAM AND CHIRAL MAGNETIC EFFECT IN DIRAC SEMIMETALS
- ☕ 13:00-15:00 Lunch
- 15:00-15:40 *Kachorovskii Valentin*
NANOMECHANICS OF GRAPHENE
- 15:40-16:10 *Chamati Hassan*
INVESTIGATION OF PHASE BEHAVIOR AND STRUCTURAL PROPERTIES OF CHOLESTEROL-CONTAINING LIPID MEMBRANES
- 16:10-16:30 *Teber Sofian*
FIELD THEORETIC STUDY OF ELECTRON-ELECTRON INTERACTION EFFECTS IN PLANAR DIRAC LIQUIDS
- ☕ 16:30-17:00 Coffee break
- 17:30-21:00 **WELCOME PARTY/BOAT TRIP**

Tuesday (10 july)

- 09:30-10:00 *Okotrub Alexander*
ELECTRONIC PROPERTIES OF PARTIALLY FLUORINATED GRAPHENE
- 10:00-10:30 *Olejniczak Andrzej*
NANOPATTERNING OF GRAPHENE OXIDE BY SWIFT HEAVY IONS
- 10:30-11:00 *Rafailov Peter*
CHEMICAL VAPOR DEPOSITION GROWTH AND CHARACTERIZATION OF GRAPHENE LAYERS
- ☕ 11:00-11:30 Coffee break
- 11:30-12:10 *Yazyev Oleg*
TOPOLOGICAL DEFECTS IN GRAPHENE AND OTHER 2D MATERIALS
- 12:10-12:40 *Jakubsky Vit*
QUALITATIVE ANALYSIS OF MAGNETIC WAVEGUIDES FOR TWO-DIMENSIONAL DIRAC FERMIONS
- 12:40-13:00 *Matsko Nikita*
MANY-ELECTRON EFFECTS IN SMALL SILICON NANOCCLUSERS BY GW METHOD
- ☕ 13:00-15:00 Lunch
- 15:00-15:40 *Bludov Yuliy*
FARADAY ROTATION IN GRAPHENE
- 15:40-16:10 *Rakhmanov Alexander*
SPIN-VALLEY HALF-METAL IN 2D SYSTEMS WITH NESTING
- 16:10-16:30 *Zagorodnev Igor*
MANIFESTATION OF NOVEL MAGNETOPLASMON BRANCHES IN RESPONSE OF 2D ELECTRON SYSTEM ON ELECTROMAGNETIC IRRADIATION
- ☕ 16:30-17:00 Coffee break
- 17:00-17:30 *Pudlak Michal*
SPINTRONICS IN A RIPPLED GRAPHENE SYSTEM
- 17:30-18:00 *Krasavin Sergei*
GRAIN BOUNDARY INDUCED PHONON SCATTERING IN POLYCRYSTALLINE GRAPHENE
- 18:00-18:30 *Smotlacha Jan*
EFFECT OF THE GRAIN BOUNDARIES ON THE ELECTRONIC AND MECHANICAL STRUCTURE OF GRAPHENE

Wednesday (11 july)

09:30-10:10	<i>Fursey Georgiy</i> LOW-THRESHOLD FIELD ELECTRON EMISSION FROM CARBON STIMULATED BY LOCAL SURFACE DEFORMATION IN ELECTRIC FIELD
10:10-10:40	<i>Khasanov Oleg</i> TERAHERTZ GENERATION IN NANOCOMPOSITES
10:40-11:00	<i>Zakirov Ildar</i> SPECIAL FEATURES OF FIELD EMISSION ELECTRON ENERGY SPECTRUM FROM CARBON NANOSTRUCTURES (HOPG, CNT, GRAPHENE-LIKE STRUCTURES)
☕ 11:00-11:30	Coffee break
11:30-12:10	<i>Rozhkov Alexander</i> BIASED TWISTED BILAYER GRAPHENE: MAGNETISM AND GAP
12:10-12:40	<i>Kerina Dimitrina</i> GROWTH AND CHARACTERIZATION OF SINGLE- AND MULTILAYER GRAPHENE AND CARBON NANOTUBES
12:40-13:00	<i>Donkov Alexandar</i> MODEL CALCULATIONS OF THE POSITRON ANNIHILATION CHARACTERISTICS FOR MULTILAYER GRAPHENE FILM
☕ 13:00-15:00	Lunch
15:00-15:30	<i>Chitchevkatchev Nikolay</i> SELF-CONSISTENT DESCRIPTION OF GRAPHENE QUANTUM AMPLIFIER
15:30-16:00	<i>Gayduchenko Igor</i> ORIGINS OF TERAHERTZ PHOTO RESPONSE IN GRAPHENE TRANSISTORS: THEORY AND EXPERIMENT
16:00-16:30	<i>Kondratyev Vladimir</i> MAGNETORESISTIVE SUPERFERROMAGNETIC SENSORS
☕ 16:30-17:00	Coffee break/collective photo
17:00-18:30	POSTER SESSION
19:00-21:00	BANQUET

Thursday (12 july)

09:30-10:00	<i>Sheka Elena</i> EMERGENT CHEMISTRY AND PHYSICS OF GRAPHENE
10:00-10:20	<i>Morresi Tommaso</i> MODELING AND SIMULATIONS OF GRAPHENE PSEUDOSPHERES
10:20-10:40	<i>Lepeshkin Sergey</i> STRUCTURE AND STABILITY OF SILICON OXIDE NANOCCLUSERS
10:40-11:00	<i>Astrakhantsev Nikita</i> THE EXTENDED HUBBARD MODEL PHASE DIAGRAM STUDY WITHIN LATTICE QMC
☕ 11:00-11:30	Coffee break
11:30-11:50	<i>Nebogatikova Nadezhda</i> FLUORINATED GRAPHENE FILMS IRRADIATED BY SWIFT HEAVY IONS: CHANGES IN ELECTRIC AND STRUCTURAL PROPERTIES
11:50-12:10	<i>Frolov Aleksei</i> ANGLE DEPENDENCE OF MAGNETORESISTANCE EFFECTS IN ARRAY OF BISMUTH NANOWIRES
12:10-12:30	<i>Rabchinskii Maxim</i> MONODISPERSE FLUORESCENT CARBON NANODOTS WITH TUNABLE AGGREGATION PROPERTIES
12:30-12:50	<i>Gudkov Maksim</i> REDUCED GRAPHENE OXIDE AEROGELS WITH POLYMERS AND CARBON NANOPARTICLES
12:50-13:00	CLOSING
☕ 13:00-	Coffee break