

## 13 Tuesday

### Morning session:

10:00-10:40	40 min <i>online</i>	Francisco Guinea	TWISTED LAYERS, NARROW BANDS, AND NEW PHASES IN TWO DIMENSIONAL MATERIALS
10:40-11:10	30 min <i>online</i>	Alexander Rozhkov	MANY-BODY EFFECTS IN THE TWISTED BILAYER GRAPHENE
11:10-11:40	30 min	<i>Coffee break</i>	
11:40-12:15	35 min	Viacheslav Storchak	EMERGING 2D FERROMAGNETISM AND CHARGE TRANSPORT IN SILICENE, GERMANENE AND GRAPHENE COMPOUNDS
12:15-12:45	35 min <i>online</i>	Mikhail Titov	ANISOTROPY OF INTERACTIONS AND UNIVERSAL MAGNETIZATION DYNAMICS IN 2D RASHBA MAGNETS
12:45-13:05	20 min	Igor Zagorodnev	RETARDATION EFFECT ON ABSORPTION OF MICROWAVE RADIATION IN DISK WITH 2D ELECTRON GAS
13:10-15:00	2 h	<i>Lunch</i>	
15:00-15:30	30 min	Irina Antonova	GRAPHENE / HEXAGONAL BORON NITRIDE COMPOSITE NANOPARTICLES FOR 2D PRINTED HETEROSTRUCTURES
15:30-16:00	30 min	Alexei Zakharov	1D AND 2D EDGE SPECIFIC GRAPHENE NANORIBBONS
16:00-16:20	20 min	Maxim Rabchinskii	CARBOXYLATED GRAPHENES: SYNTHESIS, ELECTRONIC PROPERTIES AND APPLICATION FOR THE GRAPHENE-BASED APTASENSORS MANUFACTURING
16:20-16:40	20 min	Sergei Ryzhkov	CARBONYLATED GRAPHENE AS A NEW GRAPHENE CHEMICAL DERIVATIVE AND ITS APPLICATION IN GAS SENSING

### Afternoon session:

16:40-17:10	30 min	<i>Coffee break</i>	
17:10-17:30	20 min	Moitri Maiti	THEORY OF MAGNETOTRANSPORT IN WEYL TYPE -II JUNCTIONS
17:30-17:50	20 min	Ivan Terekhov	BETHE-SALPETER EQUATION AND EXCITON SPECTRUM OF THE TRANSITION METAL DICHALCOGENIDES
17:50-18:10	20 min	Alexandr Donkov	HYDROGEN AND HELIUM INCORPORATED INTO VACANCY CLUSTERS IN GRAPHENE ON COPPER, IRON, TUNGSTEN SUBSTRATE STUDIED BY POSITRON ANNIHILATION
18:10-18:30	20 min	Nadezda Bobenko	THE CONCENTRATION DEPENDENCE OF HYDROGEN ON THE ROTATION ANGLE IN TWISTED GRAPHENE