ESPCI PARIS – Lomonosov Moscow State University

Russian-French Workshop "Recent Developments in Soft Matter"

МЯГКАЯ **2** PARIS
MATIERE **0** MOSCOU
МАТЕРИЯ **1** МОСКВА
MOLLE **8** ПАРИЖ

Moscow, June 4-5, 2018

Program

June 4, 2018 - Monday / Library, Physics Dept., 5th floor

9h10-9h30	**Opening Remarks** Alexei Khokhlov, Jean-François Joanny	
Session: Capsules and liposomes Chairman: Jean-François Joanny		
9h30-10h00	**Nicolas Brémond,** Associate Professor	**Multi-functionnal hydrogel capsules**
10h00-10h30	**Alexander Yaroslavov,** Professor, Head of the Chair	**Multi-liposomal containers for encapsulation and controllable release of bioactive compounds**
10h30-11h00	Coffee break	
Session: Liquid crystals Chairman: Alexei Khokhlov		
11h00-11h30	**Teresa Lopez-Leon,** Research Scientist	**Topological soft matter**
11h30-12h00	**Alexander Emelyanenko,** Leading Research Associate	**Entropy-driven recombinations in liquid crystals and polymers**
12h00-13h15	Lunch	
Session: Microfluidics Chairman: Alexander Yaroslavov		
13h15-13h45	**Anke Lindner,** Professor	**Investigating the flow of complex fluids in microfluidic flow geometries**
13h45-14h15	**Olga Vinogradova,** Professor	**Superhydrophobic microfluidics**

Session: Suspensions Chairman: Alexander Yaroslavov		
14h15-14h45	**Jean-Baptiste d'Espinose,** Associate Professor	**Drying of hydrophobic colloidal suspensions**
14h45-15h15	**Annie Colin,** Professor	**Shear thickening in dense suspensions**

June 5, 2018 - Tuesday / Library, Physics Dept., 5th floor

Session: Polymers, gels and proteins Chairman: Igor Potemkin		
9h10-9h40	**Elie Raphael,** Research Director	**Leveling of thin polymer films**
9h40-10h10	**Olga Philippova,** Professor	**Soft nanocomposites with supramolecular matrix**
10h10-10h40	**Renaud Nikolaÿ,** Professor	**Vitrimers from commodity thermoplastics**
10h40-11h10	Coffee break	
Session: Polymers, gels and proteins Chairman: Anke Lindner		
11h10-11h40	**Valentina Vasilevskaya,** Professor	**Intramolecular segregation in macromolecules with amphiphilic monomer units**
11h40-12h10	**Alba Marcellan,** Associate Professor	**Some strategies for gel toughening: from polymer adsorption onto NPs to thermo-responsive toughening in phase-separated gels**
12h10-12h40	**Igor Potemkin,** Professor	**Structure and properties of polymer microgels in solutions and at liquid interfaces**
12h40-14h20	Lunch	
Session: Polymers, gels and proteins Chairman: Olga Philippova		
14h20-14h50	**Jean-François Joanny,** Director	**Translocation of Intrinsically disordered proteins through nanopores**
14h50-15h20	**Vladimir Sergeyev,** Professor, Head of the Chair	**DNA-based materials as chemical reactors for metal nanoparticles synthesis**
15h20-15h50	**Alexei Khokhlov,** Professor, Head of the Chair	**Biomimetic organo-catalysis by nanostructured macromolecules**
15h50-17h00	**Discussion and closing remarks** Alexei Khokhlov, Jean-François Joanny	

Location

Venue

The main building of the Moscow State University was built in 1949-1953 and it is one of the seven so-called “Stalin’s high-risers”. Its height with a spire is 240 m. It is a representative example of the Empire style of the 20th century and is currently one of the Moscow’s most visited architectural attractions.

Lomonosov Moscow State University is located in the green area of Vorobyovy Hills, which is one of the "seven hills" making up the ancient capital of Russia. The viewing point of Vorobyovy Hills, from which a beautiful panorama of Moscow can be observed, is located at a walking distance (20 min) from the venue. This Moscow district is peculiar of a high concentration of intellectual potential represented by the Moscow State University, Presidium and institutes of Russian Academy of Sciences, and a number of other universities. The area has a developed transport infrastructure (No.1 “Red” line or No.8a “Yellow” line of the Moscow metro connect it to the city center).

The Moscow State University is the oldest university in Russia, which was founded in 1755 owing to the great Russian scientist Mikhail Lomonosov. It is also the largest classical university, comprising 40 departments, 15 research centers and 8 national and international affiliated faculties, which cover all fields of natural and human sciences and arts. More than 45 000 bachelor, master and PhD students are currently studying at the MSU, and its staff comprises nearly 10 000 researchers and professors.

The workshop will take place at the Physics Department of the Moscow State University. The faculty is comprised of 8 divisions and 39 chairs, and is recognized for its highest-quality classical fundamental education in all fields of modern Physics. Since its establishment in 1933, the Department has brought up more than 25 000 physicist, and 4 000 doctors of science. In different years, eight Nobel Laureates worked at the Department of Physics. Now the Physics Department houses several hundreds of research laboratories, and the researchers publish around 1000 peer-reviewed papers per year.

How to get there?

From the Hotel "Universitetskaya"
You need to cross Michurinskiy prospect and go to the bus stop “Lomonosovsky prospect”. From there, go two stops by any bus. Get off at the stop “MSU library” (“Biblioteka MGU”).

From “Universitet” metro station
Exit in the end of the station, cross the Lomonosovskiy prospect and go 1 stop by any bus. Get off at the stop “Ulitsa Lebedeva”.

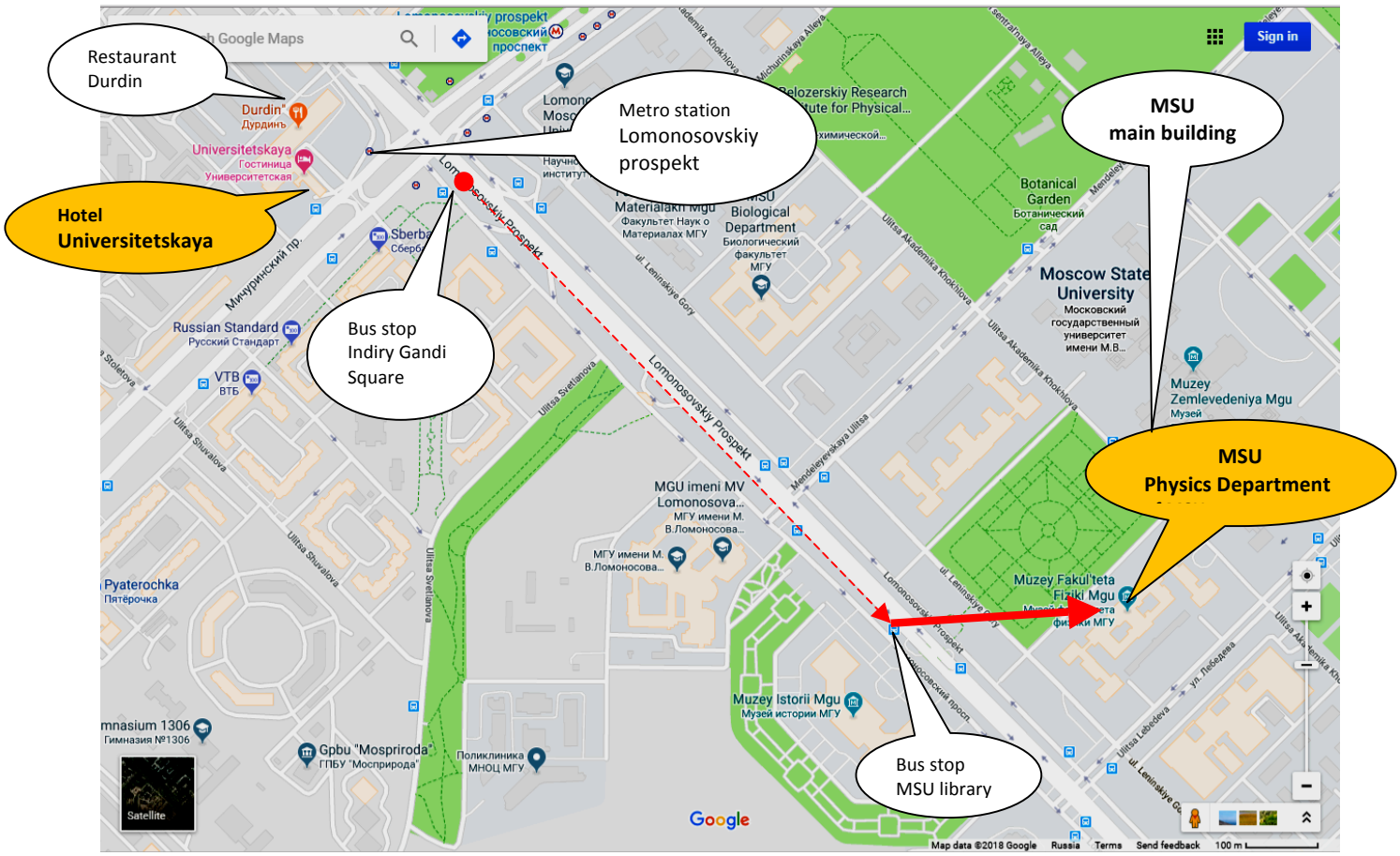
Address of the Physics Department of Moscow State University: Leninskie Gory, 1, bld.2

Physics Department

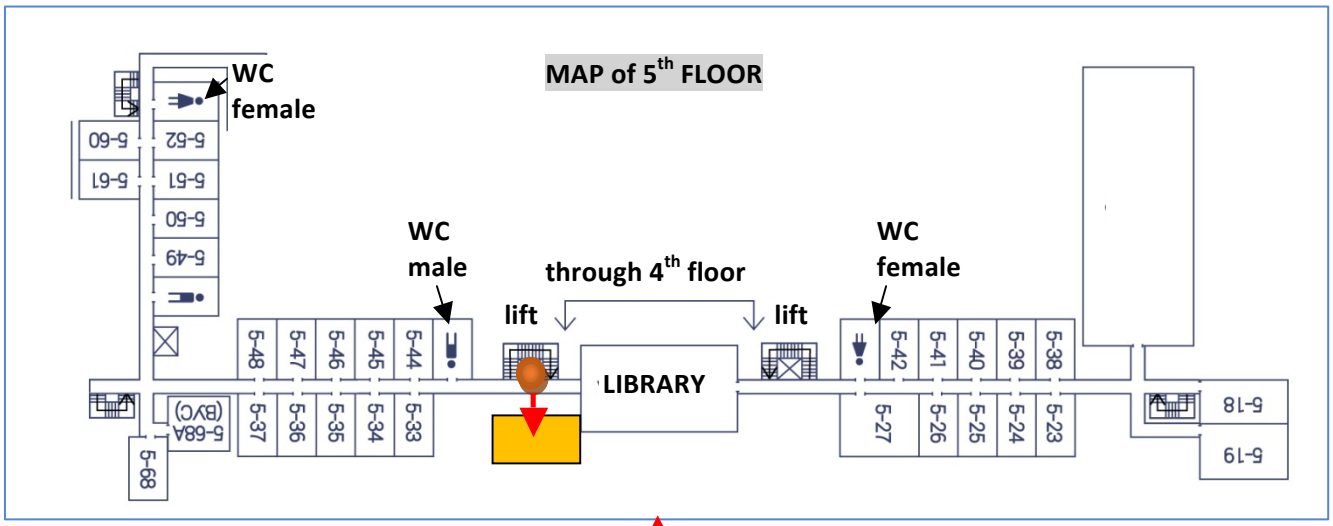
Department of Physics - Google map

Department of Physics - Yandex map

Interactive metro map
(you can find a recommended route by choosing the departure and arrival stations)



Inside the Physics Department building you should turn left and go to the lift.
On the 5th floor the VENUE of the Workshop is just opposite to the lift.



Moscow METRO map

Exception: the rose line is a train loop line