



# PROGRAM

International Student Conference  
“Science and Progress-2017”  
November, 13-17  
Saint-Petersburg – Peterhof

## November, 13 (Monday)

09.30 – 10.00 Registration (Faculty of Physics, hall of the 1<sup>st</sup> floor)

10.00 – 10.15 Opening Ceremony, aud. B-04

10.15 – 11.30 Lecture I, aud. B-04

### **"SOLID STATE NMR SPECTROSCOPY - BASIC IDEAS AND NEW DEVELOPMENTS"**

Prof. Dr. Dieter Michel, University of Leipzig, Germany

11.30 – 12.00 Coffee-break (hall nearly aud. B-04)

12.00 – 13.00 Lecture II, aud. B-04

### **Title is expected**

Prof. Dr. Alexander Chirtsov, ITMO University

13.00 – 14.00 Lunch

14.00 – 15.30 **Oral sections**

H – Biophysics, aud. 225

I – Resonance Phenomena in Condensed Matter, aud. B-04

15.30 – 16.00 Coffee-break

16.00 – 17.00 **Poster sections, 2nd floor hall**

H – Biophysics

I – Resonance Phenomena in Condensed Matter

## November, 14 (Tuesday)

11.30 – 13.00 Lecture III, aud. B-02

### **"QUANTUM SPIN AND ANOMALOUS HALL EFFECTS"**

Prof. Dr. Mikhail Otrokov, Centro de Física de Materiales, Spain

13.00 – 14.00 Lunch

14.00 – 16.30 **Annual Meeting of G-RISC “Results-2017”, aud. B-02**

14.00 – 14.10 Welcome speeches, Representative of SPbSU

14.10 – 14.20 Representative Freie University Berlin

14.20 – 14.30 Representative G-RISC Administrative Committee Natalia Kolanovska

14.30 – 16.00 Reports by the Winners of Award “The Best reports 2016”

16.00 – 16.30 Ceremonies of the Winners awarding

*17.00 – 19.00* **Third G-RISC'S Alumni Meeting** (Student canteen, ul. Ulyanovskaya, 9)

*17.00 – 17.05* Welcome speeches (Prof. Dr. A. Shikin / Prof. Dr. E. Ruehl)

*17.05 – 17.15* Presentation from G-RISC Offices (Mrs. N. Kolanovska)

*17.15 – 17.45* Reports by the G-RISC Alumnis

*17.45 – 19.00* Welcome-buffet

## **November, 15 (Wednesday)**

*10.30 – 12.00* Lecture IV, aud. B-04

**"ANALYTICAL AND NUMERICAL METHODS FOR THE STUDY OF ATTRACTORS: HOMOCLINIC BIFURCATIONS, LOCALIZATION, AND DIMENSION CHARACTERISTICS"**

Prof. Dr. Nikolay Kuznetsov, Saint-Petersburg State University

*12.00 – 12.30* Coffee-break

*12.30 – 14.00* **Oral sections, Part I**

A – Chemistry, aud. B-04

B – Geo- and Astrophysics, aud. 225

C - Mathematics and Mechanics, aud. 210

F – Optics and Spectroscopy, aud. 227

*14.00 – 15.00* Lunch

*15.00 – 16.30* **Oral sections, Part II**

A – Chemistry, aud. B-04

B – Geo- and Astrophysics, aud. 225

C - Mathematics and Mechanics, aud. 210

**Poster sections, 2nd floor hall**

F – Optics and Spectroscopy

*16.30 – 17.00* Coffee-break

*17.00 – 18.30* **Poster sections, 2nd floor hall**

A – Chemistry

B – Geo- and Astrophysics

C - Mathematics and Mechanics

## **November, 16 (Thursday)**

*10.30 – 12.00* **Oral sections, Part I**

D – Solid States Physics, aud. 210

G – Theoretical, Mathematical and Computational Physics, aud. 229

E – Electromagnetic and Acoustical Processes, aud. 225

*12.00 – 12.30* Coffee-break

*12.30 – 14.00* **Oral sections, Part II**

D – Solid States Physics, aud. 210

G – Theoretical, Mathematical and Computational Physics, aud. 229

E – Electromagnetic and Acoustical Processes, aud. 225

*14.00 – 15.00* Lunch

*14.00 – 18.00* **S – First Steps in Science (for secondary school students)**, aud. B-04

*14.00 – 15.00* Lecture “**Вселенная: от самого маленького к самому большому**”  
**(in Russian)**, Dr. Sergey Manida, Saint-Petersburg State University

*15.00 – 15.30* Coffee-break

*15.30 – 17.00* Oral section S, aud. B-04

*17.00 – 17.30* Coffee-break

*17.30 – 18.00* Ceremony of winners awarding the “The best presentation”

*15.00 – 17.00* **Poster sections, 2nd floor hall**

D – Solid States Physics

G – Theoretical, Mathematical and Computational Physics

E – Electromagnetic and Acoustical Processes

**November, 17 (Friday)**

*11.00 – 12.00* **Lecture V**, aud. B-04,

**Level-mixing effect induced by blackbody radiation and its influence on the cosmological recombination problem**, Dr. Timur Zaliutdinov, Saint-Petersburg State University

*12.00 – 12.30* Lunch

*13.00 – 18.00* Excursion to the Dike and Kronstadt