

“Space Technologies”

July 23 – August 05, 2018

| Day | DoW | Time | Topic | Speaker | Venue |
|-----|--------------|------------------|--|---|---|
| 1 | Mon 23.07 | 09:00 | Registration | - | Room #220 (New IMOP bld.) |
| 1 | Mon 23.07 | 09:30 | Opening Ceremony | Sergey Makarov (SPbPU) | Room #220 (New IMOP bld.) |
| 1 | Mon 23.07 | 10:30 – 13:00 | Orientation meeting (organizational issues) | Darina Klimova Helen Mironova Coordinators of the program | Room #200 (New IMOP bld.) |
| 1 | Mon 23.07 | 14:00 – 15:30 | Gravitational waves, gamma- ray bursts and neutrinos from collapsing stars | Andrey Bykov (SPbPU) | Room #214 (New IMOP bld.) |
| 1 | Mon 23.07 | 17:15 – 21:00 | Boat trip (19:00 – 21:00) | - | Meeting in front of IMOP at 17:15 |
| 2 | Tue 24.07 | 10:00 – 11:30 | The Friedmann Universe and Modern Cosmology | Vladimir Mostepanenko (Pulkovo Observatory) | Room #214 (New IMOP bld.) |
| 2 | Tue 24.07 | 12:00 – 13:30 | Cosmic rays: from physics to space technologies | Alexander Blinov (SPbPU) | Room #214 (New IMOP bld.) |
| 2 | Tue 24.07 | 14:30 – 17:45 | Survival Russian Language | To be announced | Group 4 room #203 Group 5 room #110 (New IMOP bld.) |
| 2 | Tue 24.07 | 18:00 | Excursion (walking sight- seeing tour on Nevsky prospect) | Ekaterina Korneeva (SPbPU) | Meeting in front of IMOP at 18:00 |
| 3 | Wed 25.07 | 10:00 – 11:30 | Introduction to Global Navigation Satellite Systems (lecture) | Elizaveta Shcherbinina (SPbPU) | Room #214 (New IMOP bld.) |
| 3 | Wed 25.07 | 12:00 – 13:30 | GNSS attitude determination (practice-1) | Elizaveta Shcherbinina, Anton Davydenko (SPbPU) | Room #249 (2 ac. bld.) / Room #3.46 (NIK R&D bld.) |
| 3 | Wed 25.07 | 14:30 – 16:00 | Imitation of navigation signals (practice-2) | Elizaveta Shcherbinina, Antonina Melihova, Anton Davydenko (SPbPU) | Room #249 (2 ac. bld.) / Room #3.46 (NIK R&D bld.) |
| 3 | Wed 25.07 | 16:30 – 18:00 | Reception of navigation signals in conditions of intentional interference(practice-3) | Elizaveta Shcherbinina, Anton Davydenko (SPbPU) | Room #249 (2 ac. bld.) / Room #3.46 (NIK R&D bld.) |
| 4 | Thu 26.07 | 09:00 – 10:30 | Coordinates determination of GPS satellites (practice) | Elizaveta Shcherbinina (SPbPU) | Room #253/249 (2 ac. bld.) |
| 4 | Thu 26.07 | 10:45 – 12:15 | Satellite communications (lecture) | Elizaveta Shcherbinina (SPbPU) | Room #470 (2 ac. bld.) |

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| 4 | Thu 26.07 | 14:00 – 16:00 | Satellite communications (excursion to Komin with chartered bus) | Elizaveta Shcherbinina (SPbPU) | Meeting in front of IMOP at 13:50 |
| 4 | Thu 26.07 | 16:30 – 18:00 | Survival Russian Language | To be announced | Group 4 room #211 Group 5 room #110 (New IMOP bld.) |
| 5 | Fri 27.07 | 10:00 – 12:00 | The Friedmann Universe and Modern Cosmology | Vladimir Mostepanenko (Pulkovo Observatory) | Room #214 (New IMOP bld.) |
| 5 | Fri 27.07 | 13:00 – 14:30 | Electronics for space application | Aleksander Korotkov (SPbPU) | Room #214 (New IMOP bld.) |
| 5 | Fri | 15:00 | Excursion to Hermitage | - | Meeting in front of IMOP at 15:00 |
| 6 | Mon 30.07 | 09:00 – 10:40 | Motion in Space: Electric Propulsion | Oleg Tsybin (SPbPU) | Room #214 (New IMOP bld.) |
| 6 | Mon 30.07 | 11:00 – 13:30 | Substance in Space: Spectral Analysis | Oleg Tsybin (SPbPU) | Room #214 (New IMOP bld.) |
| 6 | Mon 30.07 | 14:30 – 18:00 | Space system of precise automatic identification of ships AIS (lecture + practice) | Evgenii Popov (SPbPU), Denis Malygin (Astronomicon) | Room #214 (New IMOP bld.) |
| 7 | Tue 31.07 | 10:00 – 11:40 | Tools of Radio Astronomy | Alexander Ipatov (IAA RAS), Sergey Ivanov (SPbSTU) | Room #214 (New IMOP bld.) |
| 7 | Tue 31.07 | 12:20 – 18:00 | Practice on Radiotelescope (14:00 – 17:00) (with chartered bus) | Ismail Rahimov (Radio astronomical observatory "Svetloe") | Meeting in front of IMOP at 12:20 |
| 8 | Wed 01.08 | 09:30 – 11:00 | Designing, testing and operation of small satellites for scientific, educational and experimental-technological purposes | Ivan Tkachenko (Samara University) | Room #214 (New IMOP bld.) |
| 8 | Wed 01.08 | 11:30 – 13:00 | Earth's remote sensing | Michail Kislitsky (SPbPU) | Room #214 (New IMOP bld.) |
| 8 | Wed 01.08 | 14:00 – 16:00 | SPbPU main projects in space technologies (excursion to SPbPU and scientific building) | Ekaterina Korneeva (SPbPU) | Room #214 (New IMOP bld.) |
| 9 | Thu 02.08 | 10:00 – 12:00 | Smart foil technologies for space applications (lecture and practice) | Olga Kvashenkina, Pavel Gabdullin (SPbPU) | Room #214 (New IMOP bld.) |
| 9 | Thu 02.08 | 13:00 – 18:00 | Smart foil technologies for space applications (lecture and practice) | Olga Kvashenkina, Pavel Gabdullin (SPbPU) | Room #214 (New IMOP bld.) |
| 10 | Fri 03.08 | 09:30 | Certificates granting ceremony | - | Room #200 (New IMOP bld.) |
| 10 | Fri 03.08 | 11:45 – 17:00 | Picnic at the seashore of the Gulf of Finland, "Solnechnoe" (with chartered buses) | - | Meeting in front of IMOP at 11:45 |