

**SCHEDULE SUMMER SCHOOL "Robotics and Mechatronics" February, 6 – February, 16 February, 21) 2020**

|                     | The educational program                                 |  |                                     |  |  |   |   |                                       |                                       |                              |  | The additional program       |   |                                    |                                  |   |           |
|---------------------|---|--|-------------------------------------|--|--|---|---|---------------------------------------|---------------------------------------|------------------------------|--|------------------------------|---|------------------------------------|----------------------------------|---|-----------|
|                     | Feb 6, 2020<br>Thu                                      | Feb 7, 2020<br>Fri                     | Feb 8, 2020<br>Sat                  | Feb 9, 2020<br>Sun   | Feb 10, 2020<br>Mon  | Feb 11, 2020<br>Tue   | Feb 12, 2020<br>Wed                               | Feb 13, 2020<br>Thu                   | Feb 14, 2020<br>Fri                   | Feb 15, 2020<br>Sat          | Feb 16, 2020<br>Sun                                  | Feb 17, 2020<br>Mon          | Feb 18, 2020<br>Tue   | Feb 19, 2020<br>Wed                | Feb 20, 2020<br>Thu              | Feb 21, 2020<br>Fri                               |           |
| 9.00 am - 9.30 am   | Arrival<br>Pick up from<br>Kurumoch airport<br>(Samara) | Breakfast                              | Breakfast                           | Breakfast  | Breakfast  | Breakfast   | Breakfast   | Breakfast                             | Breakfast                             | Breakfast                    | Breakfast  | Free time                    | Transfer to<br>Kurumoch airport.<br>Flight to St.<br>Petersburg | Tour around St.<br>Petersburg city | Excursion to<br>Hermitage museum | Tour to Catherine<br>Palace or Peterhof<br>Palace | Departure |
| 9.30 am - 10.00 am  |   | School opening<br>ceremony<br>(209-3a) | Introductionи<br>(Dmitryi Bolshov)  | Sensing,<br>Monitoring and<br>actuation<br>(theoretical part)<br>(Lecture) | Basics of<br>microcontroller<br>programming<br>(theoretical part)<br>Lecture | Tour to the Stalin's<br>bunker.<br>Tour around<br>Samara city | Remote telemetry<br>and HMI<br>(thearetical part) |                                       | Self-guided work on<br>group projects | Robotic<br>competition       | Tour to museum<br>of aviation and<br>space exorption |                              |   |                                    |                                  |   |           |
| 10.00 am - 10.30 am |   |  |                                     |  |  |   |   |                                       |                                       |                              |  |                              |   |                                    |                                  |   |           |
| 10.30 am - 11.00 am |   |  |                                     |  |  |   |   |                                       |                                       |                              |  |                              |   |                                    |                                  |   |           |
| 11.00 am - 11.30 am |   | Organizational<br>issues               |                                     |  |  |   |   |                                       |                                       |                              |  |                              |   |                                    |                                  |   |           |
| 11.30 am - 12.00 am |   |  |                                     |  |  |   |   |                                       |                                       |                              |  |                              |   |                                    |                                  |   |           |
| 12.00 am - 0.30 pm  |   |  |                                     |  |  |   |   |                                       |                                       |                              |  |                              |   |                                    |                                  |   |           |
| 0.30 pm - 1.00 pm   |   |  |                                     |  |  |   |   |                                       |                                       |                              |  |                              |   |                                    |                                  |   |           |
| 1.00 pm - 1.30 pm   |   | Lunch                                  | Lunch                               | Lunch  | Lunch  | Lunch   | Lunch   | Winter sports day                     | Lunch                                 | Lunch                        | Lunch  |                              |   |                                    |                                  |   |           |
| 1.30 pm - 2.00 pm   |   |  |                                     |  |  |   |   |                                       |                                       |                              |  |                              |   |                                    |                                  |   |           |
| 2.00 pm - 2.30 pm   |   |  |                                     |  |  |   |   |                                       |                                       |                              |  |                              |   |                                    |                                  |   |           |
| 2.30 pm - 3.00 pm   |   | Teambuilding<br>session                | Robotic design<br>and Architechture | Sensing,<br>Monitoring and<br>actuation<br>(tutorial) (Practice)           | Programming<br>(tutorial) (Practice)   | Tour to Samara<br>Space Museum                                | Remote telemetry<br>and HMI (tutorial)            | Self-guided work on<br>group projects | School closing<br>ceremony            | Free time                    |  |                              |   |                                    |                                  |   |           |
| 3.00 pm - 3.30 pm   |   |  |                                     |  |  |   |   |                                       |                                       |                              |  |                              |   |                                    |                                  |   |           |
| 3.30 pm - 4.00 pm   |   |  |                                     |  |  |   |   |                                       |                                       |                              |  |                              |   |                                    |                                  |   |           |
| 4.00 pm - 4.30 pm   |   |  |                                     |  |  |   |   |                                       |                                       |                              |  |                              |   | Free time                          |                                  |   |           |
| 4.30 pm - 5.00 pm   |   |  |                                     |  |  |   |   |                                       |                                       |                              |  |                              |   |                                    |                                  |   |           |
| 5.00 pm - 5.30 pm   |   |  |                                     |  |  |   |   |                                       |                                       |                              |  |                              |   |                                    |                                  |   |           |
| 5.30 pm - 6.00 pm   |   |  |                                     |  |  | Dinner  | Dinner  |                                       | Dinner                                |                              | Dinner   | Dinner                       | Dinner  | Dinner                             | Dinner                           |   |           |
| 6.00 pm - 6.30 pm   |   |  |                                     |  |  |   |   |                                       |                                       |                              |  |                              |   |                                    |                                  |   |           |
| 6.30 pm - 7.00 pm   |   |  |                                     |  |  |   |   |                                       |                                       |                              |  |                              |   |                                    |                                  |   |           |
| 7.00 pm - 7.30 pm   | "Welcome to<br>Samara" with<br>volunteers               | Free time with<br>volunteers           | Free time with<br>volunteers        | Free time with<br>volunteers   | Free time with<br>volunteers   | Free time with<br>volunteers                                  | Free time with<br>volunteers                      | Free time with<br>volunteers          | Free time with<br>volunteers          | Free time with<br>volunteers | Free time with<br>volunteers                         | Free time with<br>volunteers | Overlook<br>drawbridges   | Free time with<br>volunteers       |                                  |   |           |
| 7.30 pm - 8.00 pm   |   |  |                                     |  |  |   |   |                                       |                                       |                              |  |                              |   |                                    |                                  |   |           |
| 8.00 pm - 8.30 pm   |   |  |                                     |  |  |   |   |                                       |                                       |                              |  |                              |   |                                    |                                  |   |           |
| 8.30 pm - 9.00 pm   |   |  |                                     |  |  |   |   |                                       |                                       |                              |  |                              |   |                                    |                                  |   |           |