



Co-funded by the  
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**Schedule for MAGnUS online Summer School held by  
Astrakhan State University**

**20 - 27 July 2021**

**Current Time Zone: Baku, Astrakhan - UTC/GMT +4**

**Voronezh, Rostov-on-Don, Tallin Time - UTC/GMT +3**

**Stokholm Time - UTC/GMT +2**

**London, Lisbon Time - UTC/GMT +1**

**Tuesday, 20<sup>th</sup> July 2021**

<b>10:00 – 10:10</b>	<i>Opening speech by vice-rector of ASU, Baeva Ludmila</i>
<b>10:10 – 11:20</b>	Vod and video streaming mobile applications, Viacheslav Tarasov, Voronezh State University (Russia)
<b>11:20 – 11:30</b>	<b>Break</b>
<b>11:30 – 12:40</b>	Mobile cross-platform development with Xamarin.Forms, Sergio Rodrigues, Polytechnic Institute of Tomar (Portugal)
<b>12:40 – 14:00</b>	<b>Break</b>
<b>14:00 – 15:10</b>	Data Structures: Stacks and Queues, Etibar Seyidzade, Baku Engineering University (Azerbaijan)
<b>15:10 – 15:30</b>	<b>Break</b>
<b>15:30 – 16:40</b>	Introduction to the Moodle platform possibilities, Alexey Rybakov, Astrakhan State University (Russia)

**Wednesday, 21<sup>th</sup> July 2020**

<b>10:00 – 11:10</b>	Mobile application for medicine, Olga Vybornova, Astrakhan State University (Russia)
<b>11:10 – 11:30</b>	<b>Break</b>
<b>11:30 – 12:40</b>	Mental health research using modern game design, Pavel Oganessian, Southern Federal University (Russia)
<b>12:40 – 14:00</b>	<b>Break</b>
<b>14:00 – 15:10</b>	Workshop. Designing and Balancing Trading Card Games, Pavel Oganessian, Southern Federal University (Russia)
<b>15:10 – 15:30</b>	<b>Break</b>
<b>15:30 – 16:40</b>	Workshop. Python Tkinter for simple interface design, Alexey Rybakov, Astrakhan State University (Russia)

### Thursday, 22<sup>th</sup> July 2020

<b>10:00 – 11:10</b>	Computer vision for medical applications, Alexey Rybakov, Astrakhan State University (Russia)
<b>11:10 – 11:30</b>	<b>Break</b>
<b>11:30 – 12:40</b>	Mobile Networks infrastructure: Packet Tracer simulation, Andrey Koval, Voronezh State University (Russia)
<b>12:40 – 14:00</b>	<b>Break</b>
<b>14:00 – 15:10</b>	Mobile Product Management, Vladislav Polyanskiy, Voronezh State University
<b>15:10 – 15:30</b>	<b>Break</b>
<b>15:30 – 16:40</b>	Data Structures: Binary Search Tree, Ali Hasanov, Baku Engineering University (Azerbaijan)

### Friday, 23<sup>th</sup> July 2020

<b>10:00 – 11:10</b>	Challenges and opportunities in European healthcare-themed startups, Mikhail Fiadotau, Tallinn University (Estonia)
<b>11:10 – 11:30</b>	<b>Break</b>
<b>11:30 – 12:40</b>	Medical intervention games: An overview, Peadar Callaghan. Tallinn University (Estonia)
<b>12:40 – 14:00</b>	<b>Break</b>
<b>14:00 – 15:10</b>	IT vs COVID-19: Actual Solutions and Perspectives, Kirill Zenin, Voronezh State University (Russia)
<b>15:10 – 15:30</b>	<b>Break</b>
<b>15:30 – 16:40</b>	Genetics algorithms in game design, Nigar İsmayilova, Azerbaijan State Oil and Industry University (Azerbaijan)

### Saturday, 24<sup>th</sup> July 2020

<b>10:00 – 11:10</b>	Multi-threaded Game Engine Design and Development, Samir Guliyev, Azerbaijan State Oil and Industry University (Azerbaijan)
<b>11:10 – 11:30</b>	<b>Break</b>
<b>11:30 – 12:40</b>	Mental health research using modern game design, Pavel Oganessian, Southern Federal University (Russia)
<b>12:40 – 14:00</b>	<b>Break</b>
<b>14:00 – 15:10</b>	Workshop. Designing and Balancing Trading Card Games, Pavel Oganessian, Southern Federal University (Russia)
<b>15:10 – 15:30</b>	<b>Break</b>
<b>15:30 – 16:40</b>	Workshop. Python Tkinter for simple interface design, Alexey Rybakov, Astrakhan State University (Russia)

### Monday, 26<sup>th</sup> July 2021

<b>10:00 – 11:10</b>	Software for Telemedicine and Healthcare, Viktor Akishkin, Astrakhan State University (Russia)
<b>11:10 – 11:30</b>	<b>Break</b>
<b>11:30 – 12:40</b>	Application for diagnosing diseases based on images of dried blood drops, Alexey Rybakov, Astrakhan State University (Russia)
<b>12:40 – 14:00</b>	<b>Break</b>
<b>14:00 – 15:10</b>	Software and Mobile Application for Telemedicine and Healthcare, Viktor Akishkin, Astrakhan State University (Russia)
<b>15:10 – 15:30</b>	<b>Break</b>
<b>15:30 – 16:40</b>	<i>Reserved (Additional work with Moodle Platform)</i>

### Tuesday, 27<sup>th</sup> July 2021

<b>10:00 – 11:10</b>	<i>Reserved (Additional work with Moodle Platform)</i>
<b>11:10 – 11:30</b>	<b>Break</b>
<b>11:30 – 12:30</b>	VR technologies in healthcare, Patrick Merritt, University of Derby (UK)
<b>12:30 – 14:00</b>	<b>Break</b>
<b>14:00 – 15:10</b>	Workshop. Python Tkinter for simple interface design, Alexey Rybakov, Astrakhan State University (Russia)
<b>15:10 – 15:30</b>	<b>Break</b>
<b>15:30 – 16:40</b>	<i>Closing of the summer school, Summing up the results</i>