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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, 20th July 2021**

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

**Wednesday, 21th July 2020**

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

**Thursday, 22th July 2020**

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

**Friday, 23th July 2020**

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

**Saturday, 24th July 2020**

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

**Monday, 26th July 2021**

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

**Tuesday, 27th July 2021**

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