NOVOSIBIRSK STATE TECHNICAL UNIVERSITY

"SMARTCITY: Innovative Approach Towards

a Master Program on Smart Cities Technologies

Activity 3.4 Summer School – 1-5 July, 2019

"SMART CITIES TODAY AND TOMORROW"

AGENDA

Day 1: Monday July 1, 2019 (Karl Marx av. 20, 1st building, meeting in the hall at 11 am)

11:00 – 11:30 Registration of participants at Novosibirsk State Technical University

11:30 – 11:45 Welcome by Vice-Rector for International Relations NSTU *Vadim Nekrasov*

11:45 – 12:15 Welcome by Head of the Automation Department NSTU prof. *Vadim Zhmud*

12:15 – 12:45 Vice-Rector for Research NSTU prof. *Alexey Vostretsov* «Science at NSTU, Smart home and Smart city»

13:00 – 14:45 Lunch (at the traditional Russian restaurant)

15:00 – 15:45 Ass. Prof. of the Automated Control System Department NSTU *Maxim Bakaev* «Human-computer information systems in the context of Smart City»

15:45 – 16:30 Ass. Prof. IHU (Greece) *Christos Tjortjis* «Data mining for smart cities», Lecture 1

Day 2: Tuesday July 2, 2019 (st. Nemirovich-Danchenko 136, 7st building, room 3)

9:30 – 10:15 Ass. Prof. of the Applied Information Technologies Department SSTU *Alexander Fedukin* «Development of the Smart Dumpster sensor layout»

10:15 – 11:00 Prof. of RTU *Ilya Galkin* «Considerations Regarding the Concept and Implementation of Cost-Effective Power Assist Wheelchair»

11:00 – 11:30 Coffee Break

11:30 – 12:15 Prof. of the Applied Information Technologies Department SSTU *Vitali Pechenkin* «Smart City: an integrative concept of social and technological urban space design»

12:15 – 13:00 Ass. Prof. IHU (Greece) *Christos Tjortjis* «Data mining for smart cities», Lecture 2

13:00 – 14:30 Lunch

14:30 – 15:00 Ass. Prof. IHU (Greece) *Christos Tjortjis* «Data mining for smart cities», Lecture 3

15:00 – 15:45 Ass. Prof. IHU (Greece) **Christos Tjortjis** «Data mining for smart cities», Lecture 4

15:45 – 16:15 Coffee Break

16:15 – 17:00 Ass. Prof. IHU (Greece) **Christos Tjortjis** «Data mining for smart cities», Lecture 5

17:00 – 17:45 Ass. Prof. IHU (Greece) **Christos Tjortjis** «Data mining for smart cities», Lecture 6

Day 2: Tuesday July 2, 2019 (st. Nemirovich-Danchenko 136, 7st building, room 407)
COORDINATION MEETING

9:30 – 10:15 Director of Graduate School of Engineering MUST **Narantsetseg Yadmaa** «Learning Management system at Cloud Universities»

10:15 – 11:00 Ass. prof. of the Automation Department NSTU, Director of the Information and Communication Technologies Institute (Novosibirsk) «Recommendations for a hybrid learning space»

11:00 – 11:30 Coffee Break

11:30 – 12:30 Dean of the Faculty of Mechanical Engineering TUS prof. **Milka Vitcheva** «Project Management»

13:00 – 14:30 Lunch

15:00 – 15:45 Director of the Institute of
Applied Information Technologies & Communication SSTU **Olga Dolinina**
- Preparatory Activities
- Preparation of textbooks
- Planning the next steps

15:45 – 16:15 Coffee Break

16:15 – 17:00 Discussion

Day 3: Wednesday July 3, 2019 (st. Nemirovich-Danchenko 136, 7st building, room 3)

10:00 – 10:15 Rector of NSTU prof. **Anatoly Batayev** «Official presentation of the diploma "Honorary Doctor of NSTU" to prof. Hardt»

10:15 – 11:00 Prof. of the Technical University Chemnitz (Germany) **Wolfram Hardt** «Double degree study programs at the Technical University Chemnitz»

11:00 – 11:30 Coffee Break

11:30 – 12:15 Ass. Prof. IHU **Christos Tjortjis** «Data mining for smart cities», Lecture 7

12:30 – 13:30 Lunch

Karl Marx ave. 20, 7st building, hall

14:00 – 17:30 Visit to the Novosibirsk Akademgorodok and Technopark (the use of a chartered bus is necessary. Approximate cost per person is 7-8 euros). Please bring your passport with you.

Day 4: Thursday July 4, 2019 (st. Nemirovich-Danchenko 136, 7st building, room 3)

9:30 – 10:15 Prof. of the Applied Information Technologies Department SSTU *Vitali Pechenkin* «Petri nets with priorities as a tool for analyzing and managing systems of solid waste disposal within the framework of the Smart City concept»

10:15 – 11:00 Prof. of MUST *Gunjee Zorig* «Initiatives of MUST on Smart City»

11:00 – 11:30 Coffee Break

11:30 – 12:15 Ass. Prof. of the Applied Information Technologies Department SSTU *Alexander Fedukin* «Information System for Controlling the Smart Home Controller»

12:15 – 13:00 Head of Department of Information and Computer Sciences NUM *Oyun-Erdene Namsrai «*Master in Smart city - Curriculum Development and Outcomes Assessment*»*

13:00 – 14:30 Lunch

14:30 – 15:15 Post Doc. Polytechnic Institute of Bari (Italy) *Michele Gattullo* «Virtual and Augmented Reality»

15:15 – 15:45 Coffee Break

15:45 – 16:30 Senior researcher of RTU *Igors Utesevs*

Day 5: Friday July 5, 2019 (st. Nemirovich-Danchenko 136, 7st building, room 3)

9:30 – 10:15 Vice-Dean KAZNU Karuna Oxana «Innovative center of situational management, as an element of the al-Farabi KazNU smart campus»

10:15 – 11:00 Ass. Prof. of the Computer Engineering Department NSTU *Ilya Dubkov* «Hardware for smart city applications»

11:00 – 11:30 Coffee Break

11:30 – 12:15 Head of chair ENU Alzhanov Aitugan «The experience in the implementation of dual diploma program»

12:15 – 13:00 Visiting laboratories of University

13:00 – 14:30 Lunch

14:45 – 15:30 Round table discussions, Prof. *Vadim Zhmud*

15:30 – 16:00 Summer School Closing