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NOVOSIBIRSK STATE TECHNICAL UNIVERSITY

"SMARTCITY: Innovative Approach Towards a Master Program on Smart Cities Technologies / SMARTCITY

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 8:40 am)**

8:40 – 9:00 Registration of participants at Novosibirsk State Technical University

9:00 – 10:00 Welcome by Vice-Rector for International Relations NSTU **Vadim Nekrasov**

10:00 – 11:00 Welcome by Head of the Automation Department NSTU prof. **Vadim Zhmud**

11:00 – 11:30 Coffee Break

11:30 – 12:00 Welcome by Director of the Institute of Applied Information Technologies &
Communication SSTU **Olga Dolinina**

12:00 – 13:00 Vice-Rector for Research NSTU prof. **Alexey Vostretsov** «Science at NSTU,
Smart home and Smart city»

13:00 – 14:00 Lunch

14:00 – 15:30 Assos. Prof. of the Automated Control System Department NSTU **Maxim
Bakaev** «Human-computer information systems in the context of Smart City»

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

16:45 – 18:00 Assos. Prof. IHU (Greece) **Christos Tjortjis** «Data mining for smart cities»,
Lecture 2

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

9:00 – 10:00 Assos. Prof. of the Applied Information Technologies Department SSTU
Alexander Fedukin «Development of the Smart Dumpster sensor layout»

10:00 – 11:15 Prof. of the Applied Information Technologies Department SSTU **Vitali
Pechenkin** «Smart City: an integrative concept of social and technological
urban space design»

11:15 – 11:45 Coffee Break

11:45 – 13:00 Prof. of RTU **Ilya Galkin** «Considerations Regarding the Concept and Implementation of Cost-Effective Power Assist Wheelchair»

13:00 – 14:00 Lunch

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

15:00 – 16:00 Assos. Prof. IHU (Greece) **Christos Tjortjis** «Data mining for smart cities»,
Lecture 4

16:00 – 16:30 Coffee Break

16:30 – 17:00 Assos. Prof. IHU (Greece) **Christos Tjortjis** «Data mining for smart cities»,
Lecture 5

17:00 – 18:00 Assos. Prof. IHU (Greece) **Christos Tjortjis** «Data mining for smart cities»,
Lecture 6

Day 3: Wednesday July 3, 2019 (st. Nemirovich-Danchenko 136, 7st building, room 407)

9:00 – 10:00 Director of Graduate School of Engineering MUST **Narantsetseg Yadmaa**
«Learning Management system at Cloud Universities»

10:00 – 11:00 Director of Graduate School of Engineering MUST **Narantsetseg Yadmaa** «E-
system at Cloud Universities»

11:00 – 11:30 Coffee Break

11:30 – 13:00 Assos. Prof. of the Automation Department NSTU, Director of the Information
and Communication Technologies Institute (Novosibirsk) **Evgeny Basynya**
«Recommendations for a hybrid learning space»

13:00 – 14:00 Lunch

Meeting after lunch - 7st building, room 3

14:00 – 15:15 Assos. Prof. IHU (Greece) **Christos Tjortjis** «Data mining for smart cities»,
Lecture 7

15:15 – 16:30 Assos. Prof. IHU (Greece) **Christos Tjortjis** «Data mining for smart cities»,
Lecture 8

16:30 – 17:00 Coffee Break

17:00 – 18:00 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»

Day 4: Thursday July 4, 2019 (st. Nemirovich-Danchenko 136, 7st building, room 407)

- 9:00 – 9:30 Rector of NSTU Prof. **Anatoly Batayev** «Official presentation of the diploma "Honorary Doctor of NSTU" to prof. Hardt»
- 9:30 – 11:00 Prof. of the Chemnitz Technical University (Germany) **Wolfram Hardt**, Prof. of the Chemnitz Technical University **Uranchimeg Tudevtagva** «Double degree study programs at the Technical University Chemnitz»
- 11:00 – 11:30 Coffee Break
- 11:30 – 13:00 Prof. of MUST **Gunjee Zorig** «Initiatives of MUST on Smart City»
- 13:00 – 14:00 Lunch
- 14:00 – 15:00 Assos. Prof. of the Applied Information Technologies Department SSTU **Alexander Fedukin** «Information System for Controlling the Smart Home Controller»
- 15:00 – 16:00 Senior researcher of RTU **Igors Utesevs** «Smart metering concept»
- 16:00 – 16:30 Coffee Break
- 16:30 – 18:00 Head of Department of Information and Computer Sciences NUM **Oyun-Erdene Namsrai** «Master in Smart city - Curriculum Development and Outcomes Assessment»

Day 5: Friday July 5, 2019 (st. Nemirovich-Danchenko 136, 7st building, room 407)

- 9:00 – 10:15 Post Doc. Polytechnic Institute of Bari (Italy) **Michele Gattullo** «Use Virtual and Augmented Reality in the Smart City»
- 10:15 – 11:15 Vice-Dean KAZNU **Karuna Oxana** «Innovative center of situational management, as an element of the al-Farabi KazNU smart campus»
- 11:15 – 11:45 Coffee Break
- 11:45 – 13:00 Assos. Prof. of the Computer Engineering Department NSTU **Ilya Dubkov** «Hardware for smart city applications»
- 13:00 – 14:00 Lunch
- 14:00 – 15:15 Head of chair ENU **Alzhanov Aitugan** «The experience in the implementation of dual diploma program»
- 15:15 – 15:45 Coffee Break
- 15:45 – 17:00 Prof. of MUST **Gunjee Zorig** «Additional information about smart Ulan Bator»
- 17:00 – 18:00 Round table discussions and Summer School Closing - Head of the Automation Department NSTU prof. **Vadim Zhmud**