

after workshop



## **WORKING PLAN**

**for the First Workshop in the framework of  
R&D Project “Smart Modeling”, Project ID: 01DK18014**



**Abstract.** The Smart Modeling project is funded by German Federal Ministry of Education and Research and Ministry of Innovative Development of the Republic of Uzbekistan in the framework of the call “Uzbekistan – Germany 2016” for promoting scientific and technical cooperation between Germany and Uzbekistan. This joint project between the Tashkent University of Information Technology (TUIT, Tashkent and Urgench), Uzbekistan and University of Oldenburg’s Software Engineering Group (UOL) is dedicated to combine each partner institute's expertise and experience. The central theme will be contributing towards a needs-based improvement of model-driven engineering techniques, methods, and tools, and researching novel, smart modeling techniques and applications, to address challenges posed by future software-intensive systems.

### **The First Workshop, June 24 – 28, 2019, TUIT Urgench**

#### **Monday, 24.06**

- 10:00 – 12.00 Welcome and Introduction
  - M. Baydjanov (Director of TUIT Urgench): Welcome (5 min)
  - A. Winter (UOL): Welcome from Oldenburg (5 min)
  - Further Welcomes (talks on demand)
  - D. Kuryazov (UOL): TUIT+UOL Collaboration and Outline of the workshop (10 min)
  - Self-introduction of all participants
- 12:00 – 14:00 Lunch Break
- 14:00 – 15:30 Introduction of Partner Institutions
  - M. Baydjanov about TUIT Urgench (20 min)
  - A. Winter about University of Oldenburg (20 min)
  - S. Yusupov about TUIT (20 min)
  - S. Kretschmer about DAAD (20 min)
- 15:30 – 16:00 Coffee Break
- 16:00 – 17:30 Introduction to Project
  - D. Kuryazov (UOL): Intro to the Smart Modeling Project (25 + 5 min)
  - Collecting Expectations (60 min)

#### **Tuesday, 25.06**

- 10:00 – 12:00 Foundations and Challenges
  - A. Winter (UOL): Introduction to Modeling in Software Engineering (20 + 5 min)
  - K. Tashev (TUIT): R&D in Software Engineering at TUIT: From SMART project perspective (20+5min)
  - A. Yusupov (TUIT): Smart Cities (20 + 5 min)
  - Discussions on Talks (45 min)
- 12:00 – 14:00 Lunch Break
- 14:00 – 16:00 Current Research Activities
  - D. Kuryazov (UOL): Model Difference Representation (20 + 5 min)
  - U. Amirsaidov (TUIT): MDA and challenges of methodology development (20 + 5 min)
  - J. Meier (UOL): Meta-model Integration (20 + 5 min)
  - Discussions on Talks (45 min)
- 16:00 – 16:30 Coffee Break
- 16:30 – 17:30
  - Preparation of Vision Document: Discussion of Challenges

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### Wednesday, 26.06

- 10:00 – 12:00 Modeling Applications
  - M. Artikov (TUIT Urgench and UOL): MDE4IoT (20 + 5 min)
  - Y. Djumaniyazov: Environmental Research Activities in KRASS Project (20 + 5 min)
  - B. Samandarov (TUIT Urgench): Software engineering for adaptive networked systems: conceptual principles and modeling framework (20 + 5 min)
  - Discussions on Talks (45 min)
- 12:00 – 14:00 Lunch Break
- 14:00 – 16:00
  - Open Steering Committee (Project Organization, Planning and Dissemination, e.g., web site, infrastructure, “SM” book contributions)
- 16:00 – 16:30 Coffee Break
- 16:30 – 17:30
  - Preparation of Vision Document: Discussion of Challenges (PhDs write)

### Thursday, 27.06

- 10:00 – 12:00 Modeling and AI
  - N. Sadullaev (TUIT Urgench): MDE for Smart City Development (20 + 5 min)
  - D. Kuryazov (UOL): Service- and component-oriented Development (NEMo) (20 + 5 min)
  - O. Allamov (TUIT Urgench): Smart Route Planning (20 + 5 min)
  - O. Khujaev (TUIT Urgench): AI, Machine Learning, Prediction (20 + 5 min)
  - Discussions on Talks (20 min)
- 12:00 – 14:00 Lunch Break
- 14:00 – 16:00 (in Germany 11:00)
  - Students Seminar (TUIT BSc/MSc)  
Status meeting to discuss the current state of seminar topics introduced by German/Uzbek pairs (online, 10 minutes for each and five slides)

### Friday, 28.06

- 10:00 – 12:00 Discussions in working groups
  - Discussion of Vision Document and Expected outcome of the project
  - Further organization of joint vision paper/document by all PhD Students
  - Planning of the Follow-up activities; the 2<sup>nd</sup> workshop
- 12:00 – 14:00 Lunch Break
- 14:00 – 16:00 Discussions and Closing
  - Presentations of Group Discussions
  - Closing by Karsten Heinz, High-Level Adviser, Ministry of Innovative Development of the Republic of Uzbekistan

*The workshop is locally organized by the Urgench branch of TUIT, and takes a place at: Hotel BAHOR Khonqa str. 11, 220100 Urgench.*

*The Students Seminar on Thursday, June 27, will take a place at the Urgench branch of TUIT, Al-Khorazmiy str. 110, 220100 Urgench*

This project is funded by



Federal Ministry  
of Education  
and Research



Ministry of Innovative  
Development of the  
Republic of Uzbekistan