



TURIN POLYTECHNIC  
UNIVERSITY IN TASHKENT

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## ORGANIZATION ACTIVITY TYPE

- Academic / Higher Education

## BRIEF DESCRIPTION OF THE ORGANIZATION

Preparing specialists in Mechanical Engineering, Architecture and Civil Engineering, Energy Engineering, ICT & Automation systems in Industry. Applied mechanics, applied chemistry, applied physics, applied mathematics, computer sciences.

## SPECIFIC EXPERTISE/CORE TECHNOLOGIES

Engineering, applied mechanics, applied chemistry, applied physics, applied mathematics, computer sciences.

## EXPERT I

### **Kasim Khusanov**

PhD, Associate Professor of the Natural and mathematical sciences department

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## EXPERT II

### **Nurilla Mahamatov**

PhD, Associate Professor of the Natural and mathematical sciences department

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## INTERNATIONAL COOPERATION EXPERIENCE

- TERSID “Technical Education on Resource Savings for Industrial Development” Tempus project (Partial renewal of existing academic curricula in the engineering Master of Science studies, to qualify them to the EU Best Available Techniques (BATs) for natural resource savings and to the industrial needs, exploiting the partnerships among EU and Central Asia (Uzbek and Kazakh) universities and enterprises; Development of LongLife Learning courses for professional qualifications for savings of natural resources; Setting up a of industrial engineers; Development of a RegioKnowledge Platform for Resource Savings (KPRS) at the Turin Polytechnic University in Tashkent (TTPU) for training and retraining nal credit system, usable in the Universities partners and for curricula subjected to renewal; Retraining of Central Asia academics in the EU academic partners.
- MATH “Introduction of new Master program and Doctoral courses in Mechatronics in Uzbekistan” Tempus project.

## KEY WORDS ON CORE COMPETENCIES

Computer sciences, material sciences, mechatronics, mechanical engineering, applied mathematics

## ORGANIZATION CONNECTION TO THE H2020 RESEARCH OBJECTIVES

Topics-areas	Of interest	Worked Before	Capable in this area
<b>ICT in 'Excellent science'</b>			
<i>Research infrastructures</i>			
Development, deployment and operation of ICT-based e-infrastructures	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>ICT in 'Leadership in Enabling and Industrial Technologies'</b>			
<i>A new generation of components and systems</i>			
Smart Cyber-Physical Systems	<input checked="" type="checkbox"/>		
Smart System Integration	<input checked="" type="checkbox"/>		
<i>Future Internet</i>			
Tools and Methods for Software Development	<input checked="" type="checkbox"/>		
<i>Content technologies and information management</i>			
Technologies for better human learning and teaching	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<i>Robotics</i>			
Robotics	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<i>Factories of the Future</i>			
ICT-enabled modeling, simulation, analytics and forecasting technologies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	