

***UzAuto***



# **TURIN POLYTECHNIC UNIVERSITY IN TASHKENT**



**Tashkent  
2020**

# Turin Polytechnic University in Tashkent has been founded in accordance with:

- Agreement between Politecnico di Torino (Italy) and Uzavtosanoat JSC
- Decree of the President of the Republic of Uzbekistan № PP1106 dated 27.04.2009



# Turin Polytechnic University in Tashkent

- The first International University in Engineering Sciences in Uzbekistan
- Academic system is based on ECTS
- Educational programmes approved at Politecnico di Torino
- Graduates are awarded with degrees and diplomas of Italian University
- Total capacity of the University campus is 1200 students including BSc., MSc. and PhD



# Fields of Study

## Bachelor of Science

- Mechanical Engineering
- Energy Engineering
- Architecture and Civil Engineering
- ICT & Automation Systems in Industry
- Biomedical Engineering
- Automotive Engineering (opened in 2019/20 AY)

## Master of Science

- Mechatronics Engineering
- Mechanical Engineering
- Automotive Engineering (opened in 2019/20 AY)





# Turin Polytechnic University in Tashkent

Academic staff - total 107 persons

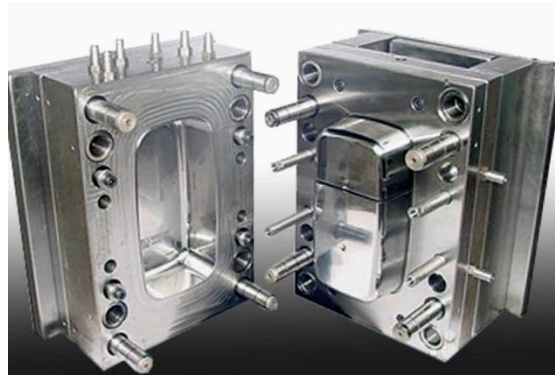
Italian professors – 47 person

Uzbek professors – 60 person



# SPECIAL LABORATORIES

- Mechatronics Lab
- CAD/CAM/CAE Center
- Car body architecture and painting process Lab
- Material science Lab
- Manufacturing and assembling process Lab



# TECHNOPARK FOR METAL PROCESSING

Equipped with sophisticated machines like metal-working center OKUMA (Japan), injection molding machine, Industrial robots, welding and other equipment for practical training and research activities.





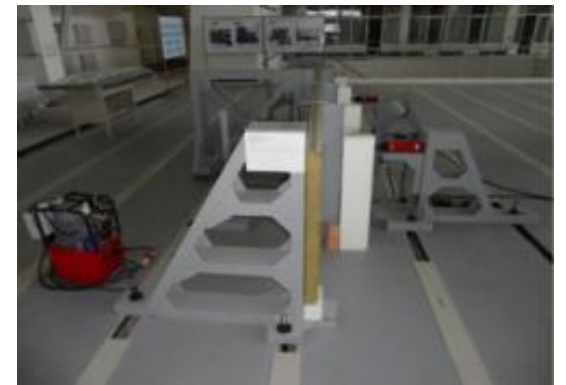
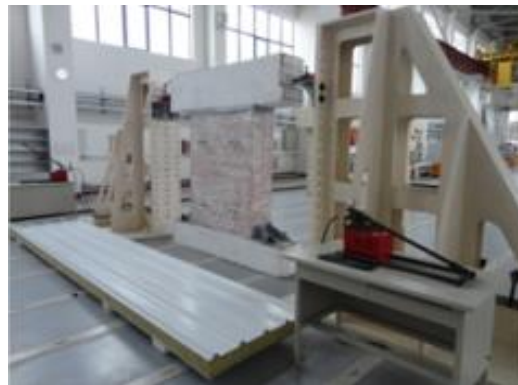
# TECHNOPARK FOR CIVIL ENGINEERING





# Testing Lab of Construction Materials and Structures

Provides services on quality control and testing of the construction materials and structures.



# INFORMATION RESOURCES CENTER

- More than 130 000 books including e-books
- Computerized library
- Electronic thesaurus
- Internet access



# UNIVERSITY PARTNERSHIP

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**FARO**

*Leica*

**FESTO**

**SIEMENS**



**HEXAGON**

**GÜHRING**

**IDEAL PLM**



**CLAAS**

**Autodesk**



# MECHATRONICS Center



- Established in November 11, 2011
- Aimed for Educational and Research purposes
- Equipped with FESTO didactic company equipments
- Trainers trained in EU, awarded with FESTO certificates



# Mechatronics Main Courses

- Pneumatics
- Electropneumatics
- Hydraulics
- Electrohydraulics
- Electronics
- The program logic controller (PLC)
- Electrical engineering
- Sensorics
- Robotics
- Mechatronics

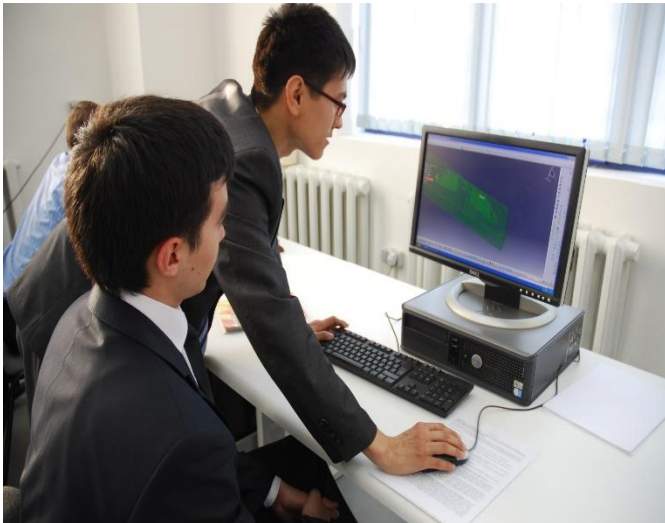


# Training Center “CAD/CAM/CAE”

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**SIEMENS**

**IDEAL PLM**

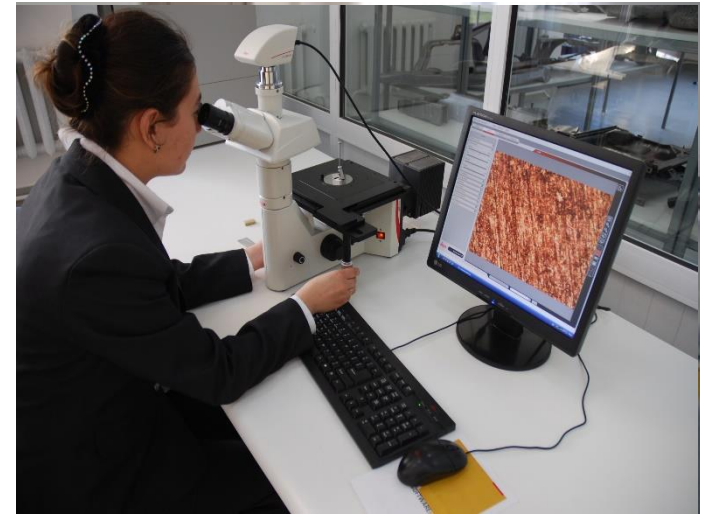


- Opened on the bases of Siemens PLM Software in March 29, 2013
- Training of professionals in the CAD/CAM software
- Training courses are designed for the preparation, advance training and retraining of specialists of the industrial enterprises and CAD/CAM bureaus
- The courses are carried out on the basis of software “UNIGRAPHICS (NX) 8” and “AutoCAD 2012”.



# Activities of CAD/CAM/CAE Centre

- Training courses on “Principles of Modeling in the systems of NX 8 (Unigraphics)”
- Designing architectural constructional and engineering projects by using AutoCAD 2012
- Development of 3D CAD models
- Obtaining 3D and CAD model of products



# Metrology Center

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- Opened in October 8, 2011
- Research and academic activities for TTPU students
- Provides metrological services to industrial enterprises
- Service and training support for the Hexagon customers
- Personnel trained in EU

# Metrology Center Equipment

Coordinate measuring and scanning machine FARO *Laser Scan Arm Platinum*



Coordinate measuring machine Hexagon Metrology Co. – *DEA Advantage*





# Metalwork Training-Service Center

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**GUHRING**



➤ Memorandum of Understanding signed between GUHRING, UZAVTOSANOAT and TTPU on August 31, 2012

➤ The Center was opened in March 14, 2013

➤ Equipped with modern machine tools, TM Vending machine, tool benches.



# Metalwork Training-Service Center

The main aims:

- training courses for professionals of different levels on the basis of curricula jointly developed with GÜHRING experts;
- promotion of GUHRING Company in CA;
- academic activities for TTPU students.



# CLAAS/MAN Training-Service Center



- The Center was established in 2013 on the base of TTPU
- Equipped with CLAAS and MAN machines, vehicles and training equipment





# CLAAS/MAN Training-Service Center



- 75 Machine operators and local instructors have been already trained
- 800 Machine operators from all regions of Uzbekistan are planning to be trained



**Thank you for your kind  
attention!**