

**APITECH**

Applied Physics, Information  
Technologies and Engineering



**msu**  
management &  
science university



Accepted papers will be published in:  
IOP Conference Series [conferenceseries.iop.org](http://conferenceseries.iop.org)  
Journal of Physics: Conference Series



Indexed by

THOMSON REUTERS



Compendex



INSPEC



SPIRES



INIS



NASA Astrophysics Data System

VINITI Abstract Journal

Chemical Abstracts Service



# IV International Conference CAMSTECH-IV 2024

Advances in Materials, Earth  
Science and Technology

Bukhara, Uzbekistan, 29-31 October 2024



**INFORMATION LETTER**

about

**XV International Conference on Transport Infrastructure:  
Territory Development and Sustainability (TITDS-XV-2024)**

*(Bukhara, Uzbekistan, 29-31 October 2024)*

# PROGRAM OF IN-PERSON PLENARY AND ONLINE SCIENTIFIC SESSION

(Bukhara, Uzbekistan, October 29, 2024)

09:00 Uzbekistan (07:00 Moscow)

*Webinar.ru [ссылка для подключения](#)  
(требуется предварительная регистрация)*

## 09:00 – Opening and greeting speeches

---

Welcoming remarks by the management of the Bukhara Engineering and Technological Institute

Welcoming remarks by the Conference Organizing Committee

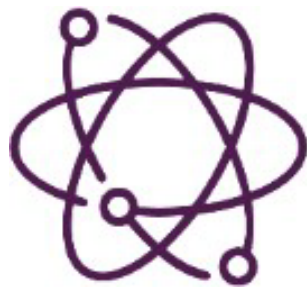
Opening of the scientific session

---

## Plenary reports

1.	Vitaly Kulevich	Aluminizing of the EP648 alloy by hot-dipping	Volgograd State Technical University, Russia
2.	Daniil Boriskin, Andrey Plokhikh, Alexey Ivanyukhin, Nikolay Vazhenin	Use of spacecraft accompanying repeaters for communication support of manned Earth-Mars missions	Moscow Aviation Institute, Russia
3.	Vladimir Karantaev, Kirill Latyshov, Vladislav Karpenko, Alexander Blinov, Artem Savchenko, Arseny Ionov	Research and development of Linux-based OS for creation of trusted PAC for programmable logic controllers	National Research University "MPEI", Russia
4.	Denis Berkov, Pavel Yudin, Alexander Verevkin	Application of Internal Protective Coatings on Tubing a Measure to Prevent Gypsum Salt Deposits Formation	Samara State Technical University, LLC "SPC "Samara", Samara, Russia
5.	Rukhshona Juraeva	Predicting traffic congestion using machine learning algorithms	South Ural State University (NRU), Russia Tajik Technical University named after Academician M.S. Osimi, Tajikistan
6.	Vladislav Nezevak	Diagnostic Indicators of Batteries in Systems for Monitoring the Technical Condition of Traction Substations	Omsk State Transport University, Russia
7.	Gulshod Yunusova, Qasim Khusanov, Shaxlo Abdullayeva, Nargiza Zokirova	Digital Information Technologies and the Use of Computer Programs in Steam Education	Namangan State University, Uzbekistan
8.	Maftuna Nasimova	Effect of bioactive substances on some physiological characteristics and productivity of <i>Phaseolus Vulgaris</i> l	Samarkand State University, Uzbekistan
9.	Diana Boboshko, Irina Varzina, Maxim Konyakhin	Analysis of the Impact of Inland Water Passenger Transport Infrastructure	National University of Science & Technology (MISIS), Moscow, Russia

		on the Development of Small Towns in Russia	
10.	Ravshanbek Dadaboyev	Effects of adding hydrogen to the gasoline-air mixture on engine and vehicle dynamics	Andijan Machine-Building Institute, Uzbekistan
11.	Kirill Domanov, S.G. Istomin, Z.Yu. Shchetkin	Using Clean Fuel Cells to Create Innovative Hybrid Rail Transport	Omsk State University of Railway Engineering, Russia
12.	Daniil Plotnikov	Modeling passenger departure volumes from transport hubs based on individual choice models	Ural State University of Railway Engineering, Russia
13.	Ivan Gaisin, Aleksandr Martynenko	Verification of the urban public transportation route network for the permissible number of transfers	Ural State University of Railway Transport (USURT), Russia Institute of Economics, Ural Branch of RAS, Russia



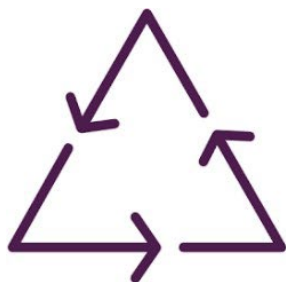
# APITECH

Applied Physics, Information  
Technologies and Engineering



## TRANSPORT INFRASTRUCTURE

TERRITORY DEVELOPMENT  
AND SUSTAINABILITY



# CAMSTECH

**Advances in Materials, Earth  
Science and Technology**