

VI International scientific and practical conference

***«Progress of Vehicles and Transport
Systems – 2018»***



***09 – 11 October, 2018
Volgograd***

Volgograd State Technical University

Dear colleagues!

We invite you to take part in the VI International scientific and practical conference «Progress of Vehicles and Transport Systems – 2018», which will take place from 9 to 11 October 2018 in Volgograd State Technical University.

Session of academic council RAS on robotics technology and mechatronics and event of The Russian Foundation for Basic Research under review on a competitive basis of the «oriented fundamental researches»: topic 604 «Fundamental problems of group interaction of robots» will be held during the conference.

The conference in which leading Russian and foreign scientists and engineers will take part, is aimed at extending scientific contacts among specialists, working in the sphere of vehicles and transport systems and also at providing the exchange of the scientific and technological achievements among specialists of different countries.

Traditionally topics of the conference include the main directions of the development and creation of wheeled and tracked vehicles of new generation, mobile robotic and special vehicles, new materials, details and nodes of transport systems, service and exploitation of vehicles, organization of transportation and transport management as well as issues on socio-economic perspectives of development of transport sector and problems of staff training.

Official languages of the conference: Russian and English.

During the work of the conference the participants will be offered a chance to get acquainted with enterprises and universities of the city.

We will be glad to see you as participants of the conference!

Organizing committee of the conference

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- Lysak V.I.** – co-chairman, academician of the RAS, Rector of the Volgograd State Technical University, Volgograd
- Novakov I.A.** – co-chairman, academician of the RAS, President of the Volgograd State Technical University, Volgograd
- Chernousko F.L.** – co-chairman, academician of the RAS, Scientific Supervisor of the Institute for Problems in Mechanics of the Russian Academy of Sciences, Moscow
- Kalayev I.A.** – Academician of the RAS, Director of the Scientific-Research Institute Multiprocessing Computing Systems of South Federal University, Taganrog
- Solomonov Yu.S.** – Academician of the RAS, Principal Designer of the Institute of Heat Technology, Moscow
- Prikhodko V.M.** – Corresponding Member of the RAS, Professor of the Chair of Construction Materials Engineering, Moscow Automobile and Road Construction State Technical University, Moscow
- Yermolov I.L.** – Professor of the RAS, Institute for Problems in Mechanics of the Russian Academy of Sciences, Moscow
- Bakhmutov S.V.** – Professor, Vice-Director of the Russian State Scientific Research Center “NAMI “, Moscow
- Borovsky V.** – Professor, Military University Of Technology, Poland
- Briskin E.S.** – Professor, Head of Chair, Volgograd State Technical University, Volgograd
- Vasiliev A.N.** – Chairman of the Transport and Roads Committee of the Volgograd Region Administration, Volgograd
- Godzhaev Z.A.** – Professor, Vice-Director, “Federal Scientific Agro-Engineering Center VIM”, Moscow
- Zakharov E.A.** – Associate Professor, Head of Chair, Volgograd State Technical University, Volgograd
- Jelagin D.** – Professor, Royal Institute of Technology, Sweden, Stockholm
- Ivanov V.** – Professor, Ilmenau University of Technology, Germany, Ilmenau
- Kotiev G.O.** – Professor, Head of Chair, Bauman Moscow State Technical University, Moscow
- Lychagov A.A.** – Chief Designer for automotive plants PAO “KAMAZ” (Kama Automobile Plant)
- Lyashenko M.V.** – Professor, Head of Chair, Volgograd State Technical University, Volgograd
- Monfared M.** – Professor, Alzahra University, Islamic Republic Iran, Teheran
- Navrotskiy A.V.** – Professor, First Vice-Rector, Volgograd State Technical University, Volgograd
- Zio E.** – Professor, Politecnico di Milano, Italy, Milan
- Shurygin V.A.** – Director-General and Chief Designer of the federal research and development center “Titan-Barrikady” JSC, Volgograd
- Boyko G.V.** – Scientific Secretary of the Conference, Associate Professor, Volgograd State Technical University, Volgograd

Program committee of the conference

- Kalayev I.A.** – co-chairman , Academician of the RAS, Director of the Scientific-Research Institute Multiprocessing Computing Systems of South Federal University, Taganrog
- Briskin E.S.** – vice-chairman, Professor, Head of Chair, Volgograd State Technical University, Volgograd
- Lyashenko M.V.** – vice-chairman, Professor, Head of Chair, Volgograd State Technical University, Volgograd
- Goryacheva I.G.** – Academician of the RAS, Head of Tribology Laboratory of the Institute for Problems in Mechanics of the Russian Academy of Sciences, Moscow
- Solomonov Yu.S.** – Academician of the RAS, Principal Designer of the Institute of Heat Technology, Moscow
- Chernousko F.L.** – Academician of the RAS, Scientific Supervisor of the Institute for Problems in Mechanics of the Russian Academy of Sciences, Moscow
- Bolotnik N.N.** – Corresponding Member of the RAS, Head of Robotics and Mechatronics Laboratory of the Institute for Problems in Mechanics of the Russian Academy of Sciences, Moscow
- Aleksikov S.V.** – Professor, Head of Chair, Volgograd State Technical University, Volgograd
- Bakmutov S.V.** – Professor, Vice-Director of the Russian State Scientific Research Center “NAMI “, Moscow
- Boykov V.N.** – Professor, Head of Chair, Moscow Automobile and Road Construction State Technical University, Moscow
- Gorobtsov A.S.** – Professor, Head of Chair, Volgograd State Technical University, Volgograd
- Zhankaziev S.V.** – Professor, Head of Chair, Moscow Automobile and Road Construction State Technical University, Moscow
- Zyrianov V.V.** – Professor, Head of Chair, Don State Technical University, Rostov-on-Don
- Ivanov A.M.** – Professor, Moscow Automobile and Road Construction State Technical University, Moscow
- Ivanov V.** – Professor, Ilmenau University of Technology, Germany, Ilmenau
- Kaldonski T.** – Professor, Military University Of Technology, Poland
- Kokodeeva N.E.** – Professor, Saratov State Technical University, editor-in-chief of the Journal “Technical Regulation in the Transport Engineering”, Saratov
- Kotiev G.O.** – Professor, Head of Chair, Bauman Moscow State Technical University, Moscow
- Maloletov A.V.** – Professor., Volgograd State Technical University, Volgograd
- Matlin M.M.** – Professor, Head of Chair, Volgograd State Technical University, Volgograd
- Rementsov A.N.** – Professor, Head of Chair, Moscow Automobile and Road Construction State Technical University, Moscow
- Solncev A.A.** – Professor, Moscow Automobile and Road Construction State Technical University, Moscow
- Fathi A.** – Professor, Babol Nooshirvani University of Technology, Islamic Republic Iran, Babol
- Filimonov N.B.** – Professor, Editor-in-Chief of the journal “Mechatronics, automation, control”
- Fedyanov E.A.** – Professor, Head of Chair, Volgograd State Technical University, Volgograd
- Zio E.** – Professor, Politecnico di Milano, Italy, Milan
- Chirwa E.** – Professor, Editor-in-Chief of the international journal “Crashworthiness”, UK, Colwyn Bay
- Shatrov M.G.** – Professor, Head of Chair, Moscow Automobile and Road Construction State Technical University, Moscow

Topics for the discussion at the conference

- Unmanned vehicles
- Prospects for creating vehicles on alternative energy sources
- Designs of advanced robotic and special vehicles
- Issues of traffic control and operation of robotic and special vehicles
- Communication systems for cars, infrastructure and people
- Road and traffic modeling systems
- Organization and management of transportations by transport
- Intelligent motion control systems for complex objects in nondeterministic environment
- Service and operation of vehicles and complexes
- Innovative materials and technologies
- Development of transport infrastructure
- Ensuring integrated transport security
- Socio-economic issues of interaction between the region and the transport and road sector
- Training of students

Sections of the conference

1. Ground vehicles and their power units
2. Robotic and special vehicles
3. Management of transport-technological systems
4. Service and operation of vehicles and complexes
5. Innovative materials, design methods and technologies for ensuring reliability of transport systems
6. Innovative technologies in road construction
7. Fundamental problems of group interaction of robots

Round table «Socio-economic perspectives of transport industry development»

Key dates

Conference attendance form and annotation of the report – before July 26, 2018

Theses acceptance – before July 26, 2018

Notification for the participants of the acceptance of the report – before September 01, 2018

Payment of the registration fee – before September 15, 2018

Information about the registration – on the site of the conference http://www.icpvs.ru/ru/about_ru/

Location

Volgograd State Technical University
Volgograd, 28 Lenin avenue

Possibility of the publication

The theses of the reports of the conference will be published in the form of electronic corpus of scientific works. Russian or English texts with the volume of 1 or 2 **full pages**, in accord with the sample are accepted for the publication.

Experts evaluation concerning the possibility of the publication is applied to the materials of the report.

The best reports of the conference will be published in the journal indexing by Scopus and Web of Science. More detailed information will be presented in the second informative letter.

Financial conditions

Onsite participation in the conference (materials of the conference, one social dinner, cultural program, publication of the materials in the proceedings of the Conference in Russian) – 3500 rub. (including 18% VAT).

There is a possibility for students, post - graduate students and young scientists to make a reservation for accommodation in the health care center of the university.

Contact information

Site of the conference: http://www.icpvs.ru/ru/about_ru/

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