



EAEC MVT 2022

2nd Call for Papers

Dear colleagues,

We are pleased to invite you to participate to the **EAEC - MVT 2022**, the 17th European Automotive Congress, organized by EAEC (European Automobile Engineers Cooperation) and SIAR (Society of Automotive Engineers of Romania) together with UPT (Politehnica University Timișoara), which will be held in Timișoara on **26-28 October 2022**.

The event is the traditional annual international congress of SIAR for *Automotive and Transport Engineering*, which this year reaches its 32nd edition and is organized for the 3rd time as an MVT conference.

The Congress sections and topics are (please notify the new section):

1. ADVANCED POWERTRAIN and PROPULSION

Electric, Hybrid and Fuel Cells Propulsion Systems;
Internal Combustion Engines;
Alternative Fuels;
Emission Test Procedures, Pollution and Noise Reduction;

2. AUTOMOTIVE DESIGN and TESTING

Chassis Systems and Vehicle Body Design;
Vehicle Dynamics;
Advanced Transmission Systems;
Advanced Driver Assistance System;
Comfort and Ergonomics;

3. TERRAIN VEHICLES

Terramechanics;
Off-Road Vehicle Dynamics and Mobility
Tires, Wheels, and Tracks Modeling;
Soil and Terrain Characterization
Operation on Snow and Ice;
Autonomous Off-Road Vehicles Challenges
Agricultural and Construction Machinery;
Mining, Forestry, Earthmoving Machinery
Planetary Rovers and Mobile Off-Road robotics;
Education in terramechanics

4. ADVANCED ENGINEERING METHODS

Modelling and Simulation;

Structural Optimization, CFD and FEM Analysis;
Simulation and Testing for Vehicle and Components
Virtual Reality in the Automotive Industry

5. MATERIALS, AUTOMOTIVE TECHNOLOGY and MAINTENANCE

Advanced Manufacturing Technologies;
Prototyping and Innovative Materials;
Quality, Reliability and Maintenance;
Maintenance Systems and Technologies;
Automotive Recycling;

6. ROAD SAFETY

Analysis and Reconstruction of Road Accidents;
Active and Passive Safety;
Road Infrastructure and Traffic Safety;
Human Factors

7. MOBILITY of THINGS

Autonomous Vehicles;
Advanced Logistics and Intelligent Transport Systems;
Multimodal Transport;
Cooperative Systems;
Legislation in Transportation
Transportation Planning
Economics and Management in Transportation

The titles above are general oriented topics, offering you the opportunity to present your latest research activity. Please select the most convenient topics for your papers during the registration step. Any submitted title (paper) on a topic not quoted above, but having scientific or technical interest, will be taken into consideration by congress scientific committee.



Important due dates:

15.05.2022	Abstract submission
12.06.2022	Notification of Abstract acceptance
22.07.2022	Papers submissions
15.09.2022	Notification of Paper acceptance
30.09.2022	Papers final submissions

Student Congress and the International Student Contest "Professor eng. Constantin Ghiulai"

The EAEC MVT – 2022 Congress is also the meeting place for the young students (SIAR junior's members) in their International Congress (see on the web site the details in Student Congress section) and Professional Contest on Automotive Engineering «Professor eng. Constantin Ghiulai» on the following sections:

Vehicle Dynamics - the 8th edition;

Automotive Computer Aided Design CATIA V5 - the 5th edition.

The students are encouraged to enroll as it is a good opportunity to test their specific knowledge on Vehicle Dynamics and CAD (Catia by Dassault Systemes) and to share not only technical knowledge but also life related knowledge with students from different universities.

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For complete information and registration your papers please access the Congress web site:

<http://siarcongress.eu>

Together for a better and safer mobility – Motor Vehicle and Road Transportation