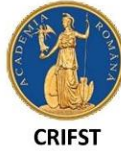




Transilvania
University
of Brasov



EAEC - CONAT 2024

The International Congress of Automotive and Transport Engineering

The 34th SIAR International Congress

The 18th EAEC Congress

The 13th CONAT Congress organized by Transilvania University

6-8 November 2024, Brasov, Romania

Call for Papers

General Presentation

The Society of Automobile Engineers of Romania (SIAR), with SAE International and Transilvania University of Braşov are organizing, in November 6-8, 2024, the 13th edition of the International Congress of Automotive and Transport Engineering, **CONAT 2024**. This edition will be also the 34th edition of SIAR International Congress of Automotive and Transport Engineering, and the 18th edition of the EAEC Congress (European Automobile Engineers Cooperation).

The congress aims to bring together leading experts, researchers, and industry professionals to share their latest research, discuss advancements or challenges in the field, and explore the latest innovations in the automotive industry.

The first CONAT congress had took place in 1965, and the previous edition was in 2016 (when more than 200 specialists from 17 countries participated and 147 scientific papers were presented).

The proceedings of CONAT 2016 were published by Springer and indexed in Web of Science CPCI.

The proceedings of CONAT 2024 will be also published by Springer and will be sent to Web of Science for indexing.



On the occasion of the 2024 edition, it will be celebrated the 75th anniversary of founding of the Faculty of Mechanical Engineering and the first Automotive Engineering study program in Romania.

Congress Sections

We welcome submissions of high-quality, original **research papers** addressing various aspects of automotive technology. If you have groundbreaking research, case studies, or innovative solutions to share, we encourage you to submit an abstract for consideration.

The main topics proposed are:

- Advanced Powertrain Systems
- Automobile and Environment
- Advanced Engineering Methods
- Vehicle Dynamics, Vehicle Systems
- New Materials, Manufacturing Technologies
- Advanced Transport Systems
- Accident Research and Analysis
- History of automotive technics and technologies.

The author guidelines are available on the congress website: <http://www.conat.ro>.

The congress will have a special section dedicated to students, in which they will present scientific papers, the results of their own work, including Formula Student. The best creations will be awarded.

During the congress, will be organized the national contest "Constantin Ghiulai", of automotive engineering with the following sections:

- Automotive Dynamics – the 10th edition;
- Automotive Computer Aided Design – the 7th edition.

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

In addition to making contacts with other students, participants in the Student Congress will have full access to the main congress. This makes it a great opportunity to network with senior engineers and industry executives. Awards for the best student papers are presented at the official Closing Ceremony.

Important Dates

Abstract submission	- 07 April 2024
Notification of abstract acceptance	- 15 April 2024
Submission of the final paper	- 31 May 2024
Notification of the final paper acceptance	- 31 July 2024
Preliminary program issuing	- 10 October 2024

Publication and Indexing



The congress proceedings will be published by **Springer** and will be available online on SpringerLink. The published papers will be sent to Clarivate **Web of Science** for indexing.

Congress Venue



The CONAT 2024 sessions and exhibition will be held at the **International Conference Center of the Transilvania University, Brasov, 41A Iuliu Maniu Street.**

For accommodation, there are a lot of fine hotels in Brasov, and some of them will provide us with exceptional rates during the conference. Detailed information will be posted on the website after the final agreement.

Workshops and Technical Visits

During the Congress will be organized workshops with sensitive topics for the automotive industry. Participants from both academia and industry are expected.

Technical visits will be organized at companies located in Brasov area - SCHAEFFLER, VITESCO, AUTOLIV, DRAEXLMAIER.

Tourism and Culture

Brasov city, capital of region Brasov, with a population of little less than 300.000 inhabitant's, first mentioned in documents back in 1235, as a medieval fortress, build over a former Neolithic settlement, is situated in central region of Romania, at the base of Tâmpa Hill and surrounded by the Carpathians.

During its history, the city was also known as Brasco, Brasso, Stephanopolis, Kronstadt, and Brasov.

There are many tourist attractions in Brasov and its surroundings, some of which being listed here:

<https://romaniatourism.com/brasov.html>

Beside the technical sessions and workshops, will be included musical moments provided by colleagues from the Faculty of Music and a special organ concert at the Black Church.



Participating at CONAT 2024 offers a unique chance to network with peers, gain exposure in the automotive community, and contribute to the future of the industry.

For up to date information, check the congress website: <http://www.conat.ro>.