

**CONCURSUL INTERNAȚIONAL STUDENȚESC  
DE INGINERIE A AUTOVEHICULELOR  
„Profesor universitar inginer Constantin GHIULAI”**

**THE INTERNATIONAL CONTEST FOR STUDENTS  
IN AUTOMOTIVE ENGINEERING  
„PROFESSOR ENG. CONSTANTIN GHIULAI”**

***The „AUTOMOTIVE DYNAMICS” Section  
The „AUTOMOTIVE CAD – CATIA V5” Section***



The Society of Automotive Engineers of Romania – SIAR initiated the first edition of the international contest for automotive engineering students in 2014. This initiative falls within the objectives assumed by SIAR in the direction of promoting/encouraging study and achieving a high level of professional competence among students from university with study programs degree in automotive engineering.

In Romania, university study programs in this field are held at the following universities: Politehnica University of Bucharest, „Transilvania” University of Brasov, University of Pitesti, Technical University of Cluj-Napoca, „Gheorghe Asachi” Technical University of Iasi, University of Craiova, Politehnica University of Timisoara, University of Oradea, „Aurel Vlaicu” University of Arad, „Lower Danube” University of Galati, „Ovidius” University of Constanța and „Ferdinand I” Military Technical Academy of Bucharest, and in the Republic of Moldova study programs in the field of road transport at the Technical University of Moldova of Chisinau and, „Alecu Russo” University of Balti.

The existence of a significant number of students in the field of automotive engineering supported the continued success of this student competition.

Only undergraduate students in automotive engineering can participate; for further clarification, master's, doctoral or students of other undergraduate degree programs are not eligible to participate in the contest.

The student contest includes two stages, as follows:

- stage I (local) takes place at the level of each university during the second semester of the academic year under the coordination of the SIAR section of the university and the specialized professors; it ends with the establishment of a ranking and the awarding of diplomas and prizes at the university level; the first 3 ranked are the representative team for the final stage of the contest; the following 2-3 ranked will become back-up;
- the final stage of the student contest takes place in the fall during the SIAR International Annual Congress of Automotive and Transport Engineering; as a result several objectives are achieved, as follows: the participation of competing students in the congress proceedings, the contact with this type of scientific event and with delegates to the congress, the increased visibility of the competition and student teams, including at the international level, the contact of students with the representatives of the industrial environment congress participants and, last but not least, a simplification of logistical support.

The student contest started in 2014 with the "Vehicle Dynamics" section, but since 2017 it has included a second section: "Automotive CAD - CATIA V5".

The rules of the contest, the themes and the recommended bibliography, the professors and specialists involved, the names of the participating students and the winners are published on the SIAR website on the SIAR Junior page (<http://siar.ro/siar-junior/>).

The 2023 edition of the international automotive engineering student contest „Professor eng. Constantin GHIULAI” will be organized simultaneously with the SIAR International Congress of Automotive and Transport Engineering ESFA 2023 which will be hosted by the Politehnica University of Bucharest.

Student participation in the competition was significant and is summarized in the following table.

No.	Year*	Sections	Number of participating universities	Number of participating students		Obs.
				at the preliminary stage	at the final stage	
1	2014	Automotive Dynamics	7	191	28	
2	2015	Automotive Dynamics	9	202	35	
3	2016	Automotive Dynamics	8	185	20	
4	2017	Automotive Dynamics	11	242	49	
		Automotive CAD CATIA V5				
5	2018	Automotive Dynamics	12	361	49	
		Automotive CAD CATIA V5				
6	2019	Automotive Dynamics	12	338	53	
		Automotive CAD CATIA V5				
7	2021	Automotive Dynamics	2	53	9	
		Automotive CAD CATIA V5				
8	2022	Automotive Dynamics	12	335	53	
		Automotive CAD CATIA V5				

\* The measures imposed by the authorities during the COVID pandemic prevented/limited the organization of the competition in 2020 and 2021.

Professor Minu MITREA  
General Secretary of SIAR

NB

In Romania, the professor eng. Constantin Ghiulai is considered the founder of university education in the field of automotive engineering.