



Press release

THE 18TH EDITION OF FORMULA SAE ITALY IS SET TO BEGIN TOMORROW: FROM JULY 12TH TO THE 16TH, THE VARANO DE' MELEGARI CIRCUIT WILL BE THE VENUE FOR THIS EDUCATIONAL EVENT ORGANISED BY ANFIA. A TOTAL OF 1,600 ENGINEERING STUDENTS FROM 21 DIFFERENT COUNTRIES WILL PARTICIPATE IN STATIC AND DYNAMIC TESTS. THIS COMPETITION OFFERS A UNIQUE AND HIGHLY VALUABLE EXPERIENCE FOR ALL INVOLVED

Out of the total of 65 teams, the electric car class (Class 1E) has the most significant number of groups, with 30. The class for combustion vehicles (Class 1C) has 22 teams, including two non-plug-in hybrids, which are now allowed. There are eight teams in the driverless class (Class 1D), which includes electric and combustion vehicles, and there are five teams in Class 3, which is for project presentations without prototypes. There are 23 Italian teams representing 17 universities

Turin, 11th July 2023 - Tomorrow sees the opening of the **18th edition of Formula SAE Italy**, the educational event scheduled **from 12 to 16th July** that involves university students from engineering faculties worldwide in an international technical-sporting challenge. The event, organised by ANFIA, will occur at the **"R. Paletti" circuit in Varano de' Melegari (Parma)** - partner of the initiative together with SAE International and Associazione Motor Valley - with the main sponsorship of Industrie Saleri Italo and the media partnership of Auto Tecnica, Motorsport.com and Motor1.com.

Over five days, 1,600 students from 21 countries and 59 universities, comprising **65 teams** (including 53 from the European Union, 23 from 17 Italian universities, and ten from outside the EU), will meet in the Emilian Motor Valley.

There are four different classes in the competition. The **electric car class (Class 1E) has the most teams, with a total of 30**. The **internal combustion class (Class 1C) has 22 teams**, two of which now include non-plug-in hybrids that are allowed starting this year. The **driverless class (Class 1D) has eight teams** and features cars always in driverless mode during dynamic events. This class includes both electric and internal combustion vehicles. Finally, there is **Class 3, which involves project presentations without a physical prototype, and has five teams participating**.

This event is supported by the Emilia Romagna Region, Province of Parma, Municipality of Varano de' Melegari, along with 34 other sponsors and partners. These sponsors comprise leading companies in the automotive supply chain represented by ANFIA and associations, consultancy, and recruitment companies. In total, there are 28 sponsors: **Alten, Ambarella-Vislab, ASK Industries, Audi, Automobili Lamborghini, Bosch, Brembo, Cecomp, Dallara Group, Danisi Engineering, Duerre Tubi Style, Industrie Saleri Italo (main sponsor), Italdesign, ITT, Iveco Group, MathWorks, Persico, Pirelli, Podium Advanced Technologies, Sabelt, SKF, SmartCAE, Synergie, Techemet, Teoresi Group, Valeo and YCOM**. The initiative's five technical partners are

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Adler-Pelzer Group, BeonD, CSI, Flag-MS and Polimatica, while Associazione Motor Valley is a partner in the event.

The Formula SAE competition was established in 1981 by the Society of Automotive Engineers (SAE). The competition requires students to create a prototype single-seater racing car while adhering to specific technical and economic guidelines as if they were commissioned by an automotive company for a non-professional user. To evaluate their designs, students participate in **static tests such as the Design Event, Business Presentation Event, and Cost Event, as well as dynamic track tests like Acceleration, Skid Pad, Autocross, and Endurance** (for Class 1D, the Endurance test is replaced by the Trackdrive test).

The event's primary goal is to foster technical knowledge, commitment, organisation and punctuality, design coordination, and product presentation skills among young people. The competition serves as an educational platform that teaches the dynamics of teamwork, with strict rules and deadlines that must be met. Students are challenged in the construction and design phase of the prototype, which involves countless difficulties.

The event's opening ceremony will take place on Wednesday, July 12th at 9:00 pm on the straight of the circuit. The ceremony will begin with a welcome to the teams, followed by the attendance of the **President of the ANFIA Components Group and ANFIA Vice-President Marco Stella**.

The event will conclude on Sunday evening, the 16th of July, with a closing ceremony at the circuit's finish line. All participants will be involved in the ceremony, and the winners will receive recognition. Prizes will be awarded in various categories, which include combustion, electric, driverless, or prototype-less projects and type of tests.

ANFIA is once again offering the "Type-approve your FSAE Italy car" prize to Italian university students in their final year who are part of a team that submits the best-written paper. The paper should describe the relevant details of European legislation on the homologation of motor vehicles and how it applies to their specific Formula SAE car for road use, including the main constraints they must comply with. Students who submit this document may be selected for an extra-curricular internship in ANFIA's Technical and Regulatory Affairs Department.

The event's sponsors will give out special prizes, such as the **Dallara Group's** prize for the most cost-effective car and **ITT's** award for the best team in the electric car class (1E). **Podium Advanced Technologies** will also present its "Podium Advanced Technologies Best Battery Award" to the team that has come up with the most innovative battery system that meets all project requirements and constraints. The **Teoresi Group** will also award a prize to the team demonstrating the best electronics development process, including innovative controls, methods, and architectures.

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The following will be on display at the racetrack: the **Ducati Panigale V4R motorbike of Aruba.it Racing - Ducati WorldSBK team for WorldSBK 2023**, of which **Alten Italia** is a technical sponsor; the **EVA** vehicle, with L4 level of autonomous driving, by **Ambarella-Vislab**; the **eDAILY** by **IVECO**. On 13th July, **ASK Industries** will present an innovative car equipped with the **SCOPE FOUR** sound system, which offers a personalised listening experience through a combination of ultra-flat loudspeakers and proprietary digital signal processing.

During the **Track Show** on 14th July and the **Acceleration Show** on 15th July, a **Dallara Stradale** and an **Alfa Romeo Giulia GTA** will race together on the track. The Alfa Romeo Giulia GTA will also be available for hot laps with the drivers.

In addition to the main event, there will be fun activities and entertainment for the students. The **Welcome Party** will take place on Wednesday, 12th July, in the Varano de' Melegari party area and will feature a tasting of local products provided by ANFIA. The **Closing Party** will be on Sunday, 16th July, starting at 9:30 pm in the Paddock section (Meeting Tent area) and includes a DJ set by **Dj Veezy and Angie**.

The event will be **open to the general public on all five days of the event**.

Paddock access tickets can be purchased both online (www.ciaotickets.com/it/biglietti/formula-sae-italy-varano) and directly at the Formula SAE Italy race track in the registration area, according to the prices indicated in the following link: www.formula-ata.it/tickets-visitor/. On Friday 14th, Saturday 15th and Sunday 16th July, there is the option of a guided tour in **Italian or English**.

All further information can be found on the initiative's website (www.formula-ata.it/), where you can find the complete programme (www.formula-ata.it/official-schedule/), the list of participants (www.formula-ata.it/registered-teams/) and all event details.

For information:

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ANFIA - Italian Association of the Automotive Industry

Born in March 1912, over these one hundred years, ANFIA mission has always been to represent the interests of its associate members and ensure effective communication between the Italian motor vehicle industries on the one hand, and the Public Administration and Italian political bodies on the other, with regard to all technical, economic, fiscal, legal, statistical and quality-related issues referred to the automotive sector.

The Association is structured in three product-based Groups, each one chaired by a President.

Components: motor vehicle parts and components manufacturers; *Car Design & Engineering*: companies working in the sector of design, engineering and style of motor vehicles and/or parts and components for the automotive sector; *Motor vehicles*: motor vehicles manufacturers in general, including trucks, trailers, camper vans, special means of transport.

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The Automotive Production Chain in Italy

5,528 companies

273,600 employees (direct and indirect), the 7,3% of the employees in the Italian manufacturing sector

86.2 billion Euros of turnover, which means 9,9% of the Italian manufacturing sector turnover and of 5.2% of the Italian GDP

76.3 billion Euros of tax levy of motorization

Formula SAE Italy

Formula SAE was established in 1981 on the initiative of the Society of Automotive Engineers (SAE) and requires the participating students to design and build a prototype single-seater racing car destined for eventual sale. They must follow specific technical and financial constraints as if a company in the automotive sector commissioned it for a non-professional user. During the event, the teams of students take part in static tests - Design, Business Presentations and Cost Events - and dynamic tests on the track (Acceleration, Skid Pad, Autocross, Endurance; for Class 1D, the Endurance has been replaced by the Trackdrive).

The event aims to focus not on the competition itself, but the skills acquired by the young people in terms of engineering knowledge, commitment, organisation and adherence to deadlines, design coordination and product presentation. Thus, the competition is an educational event in which young people can learn teamwork dynamics, with strict rules and deadlines that must be respected and be put to the test in the actual construction and design phases of a prototype and with all the difficulties that this entails.

Formula SAE arrived in Italy in 2005, organized by ATA (Associazione Tecnica dell'Autoveicolo). After 12 editions, since 2017, with the acquisition of ATA by ANFIA, the organization of the event passed to ANFIA, which organized 4 editions at "R. Paletti" Racing Track of Varano de' Melegari (Parma).

<https://www.formula-ata.it/>

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