

## Formula SAE Italy

Italy saw the first edition of Formula SAE in 2005, organized by ATA (Associazione Tecnica dell'Autoveicolo). In 2017, since ATA decided to bring its associative life to an end, ANFIA (Italian Association of the Automotive Industry), organized the event for the first time in the 13<sup>th</sup> edition. ANFIA has been one of the leading Italian Trade Associations for more than 100 years. It is able to represent and offer services to the sector companies in order to support and strengthen their competitiveness, their growth on foreign markets and their integration in mobility systems, and does this through relations with national and international institutions, networking activities, participation to technical-regulatory committees, sector studies and analysis, consultancy and training. Its vision is creating value for the automotive world.

In 2018, Formula SAE Italy introduced a new class for driverless cars. The Italian event was the 2<sup>nd</sup>

in Europe to do so. The 2019 edition took place from July 24<sup>th</sup> to 28<sup>th</sup> at Varano de' Melegari Circuit, near Parma. The event has been organized there since 2009. It saw 86 teams participating (+2.4 % on 2018), coming from 26 different countries (69 teams from Europe; India and Israel being the furthest countries), for a total of 2,600 engineering students from 79 different universities. We had more than 150 automotive and motorsport experts as judges and the most important automotive and motorsport companies as sponsors and technical partners (31 in total, +14.8 % on 2018). The main sponsors were FCA with the Abarth brand, and Dallara. The main novelty was the addition of eight new participation slots in the "electric" class, due to a technology that is now at the center of evolutionary developments in the automotive sector. As a consequence, the available slots were 52 for the combustion

class, 33 for the electric class, 10 for the driverless class and 5 for the so called class 3, in which teams present a car project without having built a prototype.

For the first time in 2019 the Italian flag was clearly dominating on the podium. The Polytechnic of Milan with their Dynamis PRC team won the Combustion Class, the Polytechnic of Turin triumphed with their Squadra Corse in the Electric Class, the University of Rome La Sapienza – Sapienza Corse won in the Driverless Class and STV-Scuderia Tor Vergata from University of Rome Tor Vergata won in Class 3. 17 teams out of a total of 86 were Italian.

Looking at the next years, we will do our best to keep the event growing by further increasing the level of participating teams and the quality of organization and services. We will also keep technological innovation as a focus theme.

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## Formula Bharat

India is home to more than 150 student teams with the passion to design, build and compete with a Formula-style car. Formula Bharat, the Indian Formula Student (FS) competition, came about in 2016 after a noticeable rise in teams on the Indian landscape who were interested in participating on an internationally

recognized platform. The contest follows the Formula Student rules, developed by Formula Student Germany; the organizers are primarily FS alumni. Formula Bharat is also recognized on the FS World Rankings list which is managed by Daniel Mazur of FSG.

The first edition of the competition constituted of the Combustion category only. It was in its third edition in January 2019, where the Electric Category was included as well. Unlike in Europe, the rise in

Electric teams in the Indian FS landscape came about in 2017. Taking into account the cost of EV components and the procurement time period for the same, Formula Bharat launched a concept challenge specifically for interested EV teams in 2018. These challenges were a huge success and it marked the launch of the official Electric Category at Formula Bharat 2019. The event saw a successful finish from Team Kratos Electric Racing from PCCOE Maharashtra.

For the Formula Bharat 2020 competition from January 22 to 26 2020 currently 60 combustion and 17 electric teams are registered – cumulating in

a total of over 2000 students. The event is open for international teams, and has three complimentary spots open for the same. The competition takes place at one of India's largest tracks at the Kari Motor Speedway in Coimbatore, Tamil Nadu.

Formula Bharat sees a growing volunteer participation of 180 individuals who travel from all over the country and globally as well. In the past years, the event consistently had Claude Rouelle as Chief Design Judge of the Combustion event, Peter Jones as Chief Design Judge of the Electric event and James Patrick Clarke as Guest Judge and host of Pat's Corner. Also Nicholas Burgwin, Michael Bakaic, Trevor Vaughan and Mark Prelich of the Formula North (FS Canada) judging group engaged in the event. The competition is open to judges and volunteers from other FS competitions who would be interested in participating at the 2020 event.

Formula Bharat strives to be "the" FS competition in South Asia. Every year, the event continues to push its standards to deliver a sustainable competition with an increasing level of competitiveness.



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