



Press Release

FORMULA SAE ITALY: AWARDED THE WINNERS OF THE 2020 DIGITAL INITIATIVES

In the *Virtual Statics*, digital edition of the Design Event and of the Business Presentation Event, won Race Up Combustion from the University of Padua, in the endothermic cars class, Fast Charge from the University of Rome "La Sapienza" in the electric cars class and Ecurie Aix - Formula Student Team RWTH Aachen in the driverless cars class, this team, also won the contest *Beyond the Rules*, on the the evolution of the rules to 2025.

In the Car Design contest *Design For Future*, on the top step of the podium Joanneum Racing Graz from U.A.S. Graz, followed by MoRe Modena Racing, from the University of Modena and Reggio Emilia and by TUfast e-Technology from the Technical University of Munich

Turin, November 16th 2020 - During the closing ceremony of Saturday, November 14th, which officially closed the Formula SAE Italy - 2020 digital initiatives, have been announced the winning teams of the first edition of *Formula SAE Italy Virtual Statics* - took place from November 12th to November 13th as virtual edition of the Design Event and of the Business Presentation Event sponsored by Bosch - and also of the two contest launched during the fall, *Design for Future: Dream your 2025 FSAE Italy Car* - Car Design contest which saw the participation also of some of ANFIA Car Coachbuilders and Designers Group, together with some other important companies of the sector, as partners, and *Beyond the Rules*, contest on the evolution of the rules to 2025.

The Award Ceremony opened with the speech of the Director of ANFIA Gianmarco Giorda, who thanked all the *Design for Future* partners, some of them - Bylogix, CSI, Danisi Engineering, FCA Italy, Granstudio, Italdesign-Giugiaro and PMFACTORY - in the previous days organized interesting Talent Talks for students, others instead - CSI, Dallara, Danisi Engineering, Granstudio and PMFACTORY - offered a prize to the winners of the contests. Thanks also to Blue Engineering, CUNA, ESI Italia, Focaccia Group, Meccanica42, Pininfarina and Podium Engineering. A special thank to BOSCH for had being partner and sponsor of *Virtual Statics*, where also held a double session of the Talent Talk "Mobility Solutions challenges".

"The health emergency due to the COVID-19 pandemic has prevented us from organizing our traditional event in Varano de' Melegari, but it could not stop our desire to involve students in initiatives that have first of all an educational purpose - said Giorda. Thanks to the participation and the usual enthusiasm of the teams and the precious commitment of the judges and the Organizing Committee of Formula SAE Italy, we were able to translate this desire into reality, experimenting new ways that allowed young future engineers to continue learning while having fun and following their passions.

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The experience is therefore positive and makes us look with optimism to 2021, hoping to meet again on the racetrack for the next adventure”.

Regarding the *Virtual Statics*, both for the **Design Event** and for the **Business Presentation Event** won **Race Up Combustion** from the **University of Padua** in Class 1C (endothermic cars), **Fast Charge** from the **University of Rome “La Sapienza”** in Class 1E (electric cars) and in the end **Ecurie Aix - Formula Student Team RWTH Aachen** in Class 1D (driverless cars), all of them also won the respectively Formula SAE Italy trophies.

Since it was the first virtual edition for FSAE Italy, it represented a big change, both for the teams and the judges, but, overall, the format has been functional, also in terms of availability.

For the Design event, it has been possible to keep the original format, with a main virtual room, where each team could present an overview of its project, and then the specific rooms where to deepen the various technical aspects. Of course, the teams had to adapt to a different way of presenting their works: remotely, showing one slide at a time with a maximum of 25 minutes. Almost all teams, some more and some less, understood that it required a different effort than they were used to, and modified their way to present. Some even benefited from the new format and improved the outcome of the presentation compared to previous years, as in the case of the Race UP Combustion team from the University of Padua

The jury of the Business Presentation event, instead, underlined how the presentation of the Business plan by the 9 participating teams, in digital way, reduced a bit the passion, both by the teams and the judges. Regarding the presentations topics, compared to last year, the environmental issues sensitivity has further increased. In addition, in all classes of participation the teams had to deal with a theme to be deepened, the so-called deep dive topic, in this case the analysis of the transition between traditional engines and electrification under the effect of the current pandemic for the Combustion and Electric categories, and the 5G theme, with all its implications, for the Driverless category.

In the Beyond the Rules contest, on the evolution of the Formula SAE Italy rules to 2025, the **Ecurie Aix Formula Student Team - RWTH Aachen**, presented the most convincing draft which guaranteed them a free participation slot for the next edition of Formula SAE Italy as winner. To mention also the **MoRe Modena Racing** team from the University of Modena and Reggio Emilia, the only one to have included the Cost Event to their draft, which proposed an interesting idea: the submission of an "environment impact analysis".

More in general, in the 5 participating teams drafts, the topic of sustainability has been analyzed at 360° - sustainable materials, disposal of the car, life cycle analysis in general, sign that the students are aware of in which direction mobility is moving.

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In the end, the contest *Design for Future: Dream your 2025 FSAE Italy Car* saw as winner **Joanneum Racing Graz** from U.A.S. Graz, which got a free participation slot for the next edition of Formula SAE Italy, followed by, at the second place, by **MoRe Modena Racing** from **University of Modena and Reggio Emilia**, which won a slot for the next edition of Formula SAE Italy 50% discounted and, at the 3rd place, by **TUfast e-Technology** from the **Technical University of Munich**, awarded with the participation to the Early registration of the next Formula SAE Italy.

All the teams participating in the contest, seven in the overall, showed a good level of commitment in presenting their ideas, and were judged according to six evaluation criteria: concept and originality, rendering, model development and applied style, project development, engineering, industrial product feasibility. The scoring criteria were also and above all designed to push the innovation component of the projects. This last one has been a crucial aspect for the determination of the winners, each of them was focused on a strong and well-structured idea: the autonomous driving system in the case of Joanneum Racing Graz, hybrid powertrain for MoRe Modena Racing and an inductive charging station for TUfast.

All the details about the Formula SAE Italy 2020 Digital Initiatives - including the lists of the registered teams and of the juries - are available on the event website, visiting the page "2020 Initiatives" (<https://www.formula-ata.it/2020-initiatives/>) where there will also be published more information.

For more information: ANFIA Press Office
Miriam Gangi - m.gangi@anfia.it
Ph. +39 011 5546502
Mob. +39 338 7303167

ANFIA - Italian Association of the Automotive Industry - is one of the leading Italian Trade Associations, members of CONFINDUSTRIA. 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 Coachbuilders and Designers: 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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Associazione Nazionale Filiera Industria Automobilistica

Sedi: 10128 Torino - Corso Galileo Ferraris, 61 - Telefono +39 011 5546511 - Fax +39 011 545464 - E-mail: anfia@anfia.it -
00144 Roma - Viale Pasteur , 10 - Telefono +39 06 54221493 (4) - Fax +39 06 54221418- E-mail: anfia.roma@anfia.it
www.anfia.it



Formula SAE Italy

Formula SAE born in 1981 organized by the Society of Automotive Engineers (SAE). It is a student design competition which involves the departments of engineering of the Universities worldwide. Students measure themselves in the design and production of single-seater prototype racing, combustion or electric cars, including driverless ones, intended for possible marketing, following particular technical and economic constraints, as if they were commissioned by a company in the automotive sector for a non-professional. During the event, teams have to face statics events - Design Event, Business Presentation Event and Cost Event - and dynamic ones on track (Acceleration, Skid Pad, Autocross, Endurance; for Class 1D Autocross and Endurance are replaced by Trackdrive).

The goal of this educational event is to focus on the students skills, making them live an educational experience where to learn the teamwork, with specific rules and deadlines that have to be respected, and testing them on the building and designing of a car, with all the difficulties that this implicate. Formula SAE arrives in Italy in 2005, organized by ATA (Associazione Tecnica dell'Autoveicolo). After 12 editions, since 2017, with acquisition of ATA by ANFIA, the organizing passed to ANFIA, which organized three editions at "R. Paletti" Racing Track of Varano de' Melegari (Parma).

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

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Sedi: 10128 Torino - Corso Galileo Ferraris, 61 - Telefono +39 011 5546511 - Fax +39 011 545464 - E-mail: anfia@anfia.it -
00144 Roma - Viale Pasteur , 10 - Telefono +39 06 54221493 (4) - Fax +39 06 54221418- E-mail: anfia.roma@anfia.it
www.anfia.it