



AIDAA News #18

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1 AIDAA Sections of Roma, Napoli, the Italian Air Force Celebrate the Centenary of Foundation

The AIDAA Section of Roma and the Italian Air Force were founded in 1923, and a celebration of the centenary is scheduled in Guidonia on 25 May 2023 in cooperation with the Italia Air Force <https://www.aidaa.it/aerospaceitaly2024/100thanniversaryrome/>.



CELEBRATION OF THE CENTENNIAL OF THE ITALIAN AIR FORCE AND THE CENTENNIAL OF THE AIDAA SECTION OF ROMA 1923-2023

25 May 2023, 10:00-16:00
Alfredo Barbieri Airport, Guidonia (Roma)

The event includes a guided tour of the Guidonia Center for Aerodynamics.

The Section of Napoli was founded on 17 December 2022, and the celebration will take place on 20 April 2023 at CIRA and the University of Napoli Federico II, <https://www.aidaa.it/aerospaceitaly2024/100thanniversarynapoli/>.

2 27th AIDAA Congress in Padova—Registration has opened



The University of Padova will host the next Congress of AIDAA from 4 to 7th September 2023, <https://www.aidaa.it/aidaa2023/>. The AIDAA Congress brings together an international community of academic and non-academic delegates to share the latest findings in aeronautics and astronautics science and technology. The AIDAA 2023 technical program will include plenary and parallel sessions, keynote talks, mini-symposia, and other events. Abstracts can be submitted until 16th April 2023, and contributions in all aerospace engineering and science fields are encouraged, including, but not limited to, Aerodynamics and Fluid dynamics, Propulsion, Materials and Structures, Aerospace Systems, Flight Mechanics and Control, Space Systems, and Missions. Registration has opened and can be carried out online, <https://www.aidaa.it/aidaa2023/registration/>.

3 AIDAA announced the List of Courses 2023

The Italian Association of Aeronautics and Astronautics (AIDAA) is pleased to announce the list of courses to be held from March to December 2022, focusing on hard and soft skills covering multiple aerospace topics. Speakers from Italian and international institutions will deliver some twenty courses for graduate students, faculty members, and

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professionals. The preliminary course list is below, and the registration is available online, at www.aidaa.it/courses.

- Planetary probes entry and descent science
- Tethers in space: deorbiting and power generation
- Optical methods for spacecraft attitude and orbit determination
- Toward smart air mobility: a model-based design approach
 - HMI design
- Numerical modeling of hypersonic flows
- Boosting the commercialization of space activities
- Spaceports as the gateway for sustainable access to space
 - Sensors and actuators for aerospace applications
- Addressing the urban air mobility sustainable development
 - NDE and the effect of defects in composites
 - Predictive simulation of impact phenomena for aircraft components
- Multi-scale, multi-physics, and multi-technique computational tools for materials computational modeling
 - Aerostructural optimization and aeroelasticity of new generation aircraft

4 Road to 2024: Looking Beyond Exhibition in Milan

The Looking Beyond Exhibition took place in Milan at the STEP FuturAbility District with sixty spectacular images of our planet elaborated by e-GEOS and acquired by the satellites of the Italian constellation owned by the Agenzia Spaziale Italiana and the Ministero della Difesa. The initiative represented a new step towards IAC2024, the 75th edition of the 75th International Astronautical Congress, the most important international event in the space sector hosted by AIDAA and Milan from 11 to 18 October 2024.



5 Aerospace Italy 2024: Updated List of Events



The Aerospace Italy 2024 initiative aims to increase awareness and support towards the major aerospace events taking place in Italy in 2024, <https://www.aidaa.it/aerospaceitaly2024/>. Events are being organized in Italy, and the updated list is below:

- 3rd Aerospace PhD Days, 16–19 April 2023, Bertinoro, https://www.aidaa.it/phd_days2023/
- Centennial of the AIDAA Section of Napoli, 20 April 2023, <https://www.aidaa.it/aerospaceitaly2024/100thanniversarynapoli/>
- International Conference on Space Exploration, Torino, 10–12 May 2023, <https://academieairespace.com/space-exploration/>
- Space Meetings Veneto, Venezia, 15–17 May 2023, <https://spacemeetingsveneto.com/>
- Centennial of the AIDAA Section of Roma and the Italian Air Force, Guidonia, 25 May 2023, <https://www.aidaa.it/aerospaceitaly2024/100thanniversaryrome/>
- AIDAA 27th Congress, Padova, 4–7 September 2023, <https://www.aidaa.it/aidaa2023/>
- AIAA/CEAS Aeroacoustics Conference, Roma, 4–7 June 2024
- ICAS 2024, Firenze, 9–13 September 2024, <https://www.icas2024.com/>
- IAC 2024, Milano, 11–18 October 2024, <https://www.iac2024.org/>

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