

June 12th-14th, 2024
 Bristol, UK
<https://eurognc.ceas.org>



The CEAS Conference on Guidance, Navigation and Control or “EuroGNC” is an applied conference with strong aeronautics and space orientation. More theoretical works in the area are welcome, especially if their application to aeronautics and space problems can easily be inferred. Other (non-aerospace) applications with similar challenges and modeling approaches (e.g. automotive, robotics, wind energy, underwater vehicles) are welcome.

The conference is held every two years, each time in a different European country. It was created in 2011 to foster the exchanges within the European community and internationally. At the time, it was inspired by the AIAA Guidance, Navigation and Control and co-located conferences (especially the Atmospheric Flight Mechanics and Modeling and Simulation Technologies conferences), later replaced by the large AIAA forums.

Papers will be published in open-access (CC-BY-4.0 license) and available on the EuroGNC website (section [Paper Library](#)).

Key Dates

Full draft paper submission: Nov. 8th 2023
 Author notification: February 2024
 Final paper submission: April 15th 2024
 Conference: June 12th-14th 2024

Topics

The topics for the EuroGNC conference include:

- Control Theory, Analysis and Design
- Applications of Guidance, Navigation, and Control:
 - To all types of aerospace vehicles: Aircraft, Spacecraft, Missiles, Mini/Micro Air Vehicles, Drones, Multicopters
 - To other aerospace systems: e.g. in Air Traffic Control Systems, Ground Segments, etc.
 - To non-aerospace systems with similar challenges (e.g. in Automotive, Underwater Vehicles, Ships, etc.) with or without human presence/intervention, i.e. at all levels of autonomy.
- Intelligent Control / AI in Aeronautics and Astronautics
- Aerospace Robotics and Unmanned/Autonomous Systems
- Novel Navigation, Estimation and Tracking Methods
- Sensor Systems for Guidance, Navigation and Control
- Flight Mechanics, Dynamics, and Simulation
- Modelling of Aerospace Systems
- Flight Testing and Experimental Results (incl. Pilot/Astronaut/Operator-in-the-Loop)

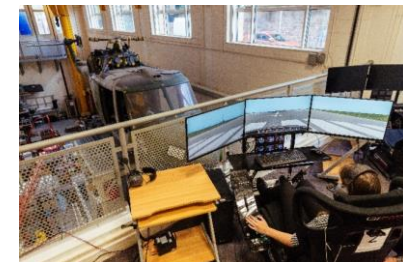
EuroGNC 2024 in Bristol

The 2024 conference will be hosted at the University of Bristol in Bristol, United Kingdom.

Bristol lies 120 miles to the west of London and is well served by air, train and coach/bus services. It is a city rich in history: attractions include museums and other places of historic interest, theatres, music venues, modern docks, restaurants, pubs and cafés. The city will appeal to delegates also bringing their families.

Bristol is one of the major aerospace centres of the world, with aircraft assembly starting in the region in 1910. A number of aerospace companies – including Airbus, Rolls-Royce, BAE Systems, MBDA, GKN, Thales and Vertical Aerospace – operate here, along with several of their sub-contractors and the National Composites Centre. Academic centres of excellence include the University of Bristol and the University of West of England, whilst the University of Bath is not far.

The University of Bristol is one of the most popular and successful universities in the UK, working to support innovation in its people through both a 1st class education and through cutting-edge globally relevant research. It is ranked 61st in the 2023 QS World University Rankings. Its Department of Aerospace Engineering was founded in 1946 and, along with several research groups within the Faculty of Engineering, participates in a range of aerospace and control-related research.



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