



*4th World Conference on
Aerospace and Aeronautical Engineering*
November 23-24, 2020 | Frankfurt, Germany

Theme: Innovation and Challenges in Aerospace and Aeronautical Engineering



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<https://scientificfederation.com/>

<https://www.scientificfederation.com/wcaae-2020/>

Invitation to Attendees:

Dear Attendees,

Scientific Federation brings in a new spin on conferences by presenting the latest scientific improvements in your field. Listen to motivating keynotes from thought leaders, or rub elbows with pioneers across the globe. Germany is all set for an amazing event as Scientific Federation proudly presents the “4th World Conference on Aerospace and Aeronautical Engineering” slated on November 23-24, 2020, in Frankfurt, Germany.

WCAAE-2020 is an international event, attracting global participant's intent on sharing, exchanging and exploring new avenues of Aerospace and Aeronautical Engineering. This event includes plenary speakers, established Keynote speakers, active Invited speakers, fresh contributed speakers, and Young Researchers. Besides, a variety of poster presentations along with workshops and special sessions would be interested in the audience. The aim of the WCAAE-2020 is to spread knowledge and real-world impact in an atmosphere of true international cooperation between scientists and have interactive sessions by bringing together again the world class researchers, International societies and Industrial heads to discuss the latest developments and innovations. It is a great platform for companies as well as institutions to represent their research works in the fields of Aerospace and Aeronautical Engineering

Sincerely,
Aerospace and Aeronautical Engineering
(WCAAE-2020)
Organizing Committee

Important dates:

Abstract Submission Opens	December 1st, 2019
Registration Opens	December 1st, 2019
Early Bird Registration Deadline	April 28th, 2020
Abstract submission Deadline	May 26th, 2020
Mid-term Registration Deadline:	June 28th, 2020
Final Registration Deadline	November 22nd, 2020



<https://www.scientificfederation.com/wcaae-2020/>

Organizing Committee Members



**Giovanni Maria
CARLOMAGNO**

University of Naples Federico II, Italy



Ephraim Suhir

Portland State University, USA



Yehia Abdel-Aziz

National Research Institute of Astronomy
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Ali Guarneros Luna

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Jean-Charles Chaudemar

Institute for Space and Aeronautics
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Ahmed El-Sayed

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Rachida Dssouli

Concordia University, Canada



Hua Meng

Zhejiang University, China



Arnab Roy

Indian Institute of Technology
Kharagpur, India



Abhijit Kushari

Indian Institute of Technology Kanpur
India



Kary Thanapalan

University of South Wales, UK

Conference Objectives

As the conference theme promoting Innovation and Challenges in Aerospace and Aeronautical Engineering, the main goal of WCAAE-2020 is to spread knowledge and real-world impact in an atmosphere of true international cooperation between scientists and have interactive sessions by bringing together again the world class researchers, International societies and Industrial heads to discuss the latest developments and innovations. It is also a great platform for the companies as well as institutions to represent their research services, products, innovations and research results in the fields of Aerospace and Aeronautical Engineering.

Unique Features of the Conference

There are unique features of the conference i.e., Panel Discussions, Workshops, Conference Chair workshops, Career Development Workshops, and Networking Opportunities along with the highest grade of publication opportunities. Therefore, the conference will provide a key platform for the development of researchers with international and diversified knowledge and experiences, enhancing the quality decision making of policymakers and promoting the highest utilization of research knowledge. Eventually, the participants will be able to experience productive and efficient product development in the industry as well as in the corporate sector.

Abstract Selection Criteria:

Each proposal will be carefully reviewed by the WCAAE-2020 Conference Committee. The committee will review proposals based on:

- The extent to which the proposal targets and is relevant to conference attendees
- Definition and focus of the topic
- Practical application of the material
- Timeliness and importance of the topic
- Overall program quality

In Addition Each Program Proposal Should:

Encourage active learning (indicate in the proposal what active learning strategies you will use to engage the audience in the session instead of having them passively listen to information, some possibilities include case study exercises, role-playing, small group discussion, facilitated brainstorming, action plans, quick quizzes, etc.)

- Please note that concurrent session proposals may be combined by the conference planning committee to form a single session in the event of a large number of proposals, or proposals that are complementary in nature, topics, and presenters.
- WCAAE-2020 cannot guarantee that proposals submitted after the due date and/or incomplete proposals will be considered.

Main Sessions

- Additive Manufacturing for Aerospace & Aeronautical Industries
- Advanced Lightweight and Composite Aero-Structures
- Aeroacoustics
- Aerodynamics Tools and Methods in Aircraft Design
- Aeroelasticity & structural dynamics
- Aeronautical Education and Training
- Aerospace and Occupational Safety
- Aerospace Engineering and Technology
- Aerospace Research
- Air Transport Management
- Aircraft Design
- Airport Management and Operations
- Aviation and Aeronautics
- Aviation Logistics and Supply Chain Management
- Avionics
- Cabin systems
- Combustion and Propulsion Technology for Aerospace Engineering
- Electronic Devices for Spacecraft Control Systems
- Engineering Concepts
- Flight Mechanics and Control
- Fluid Mechanics
- Guidance, Navigation and Control
- Laser Energetics and Optical Diagnostics in Aerospace
- Materials and Manufacturing Technologies
- Mechanics and Mechatronics
- Metal Forming Technologies for Aerospace Parts
- Operations and Maintenance
- Optical and Fiber Optical Sensors for Aerospace Applications
- Program Engineering
- Radar Remote Sensors, Sensing Applications & Wireless Communications
- Radio Physics, Space Physics, Geospace Physics
- Robotics and Rotorcraft
- Security Management
- Signal Processing
- Space Technology
- Spacecraft, Rotorcraft, Aircraft designs and structures
- Specialist Aircraft and Helicopter Engineering
- Structural Analysis
- Unmanned Aerial Systems

Registrations:

Registration Type	Early Bird Registration Price	Mid-term Registration Price	On-Spot Registration Price
Speaker Registration	\$ 699	\$ 799	\$ 899
Delegate Registration	\$ 799	\$ 899	\$ 999
Workshop Registration	\$ 699	\$ 799	\$ 899
Poster Registration	\$ 399	\$ 499	\$ 599
Student Delegate Registration	\$ 299	\$ 299	\$ 299
Accompany Person Registration	\$ 200	\$ 200	\$ 200
Video Presentation Registration	\$ 399	\$ 399	\$ 399
E-Poster Registration	\$ 299	\$ 299	\$ 299

Registration Includes:

- Access to all Sessions
- Certificate Accreditation from the Organizing Committee
- Abstracts will be published in the conference souvenir
- Ask the Expert Forums (One to One Pre-Scheduled meeting on interest and availability)
- Access to the attendees email list (post conference)
- 10% abatement on the registration fees for the next annual conference
- 2 Coffee breaks (Refreshments and snacks) during the conference
- Lunch during the conference

Make Sure You Don't Miss the Deadline!

Registration Link: <https://www.scientificfederation.com/wcaae-2020/registration.php>

Visa Matters:

- The Conference committee will issue Letters of Invitation for the conference, once your registration is successful and this can be used for obtaining visas.
- However, we will not be able to provide any further assistance with visas.



Previous Glimpses:



Contact information:

Daniyal Zafar | Conference Manager,
WCAAE-2020
6- 3/669, 4th Floor, Ozone Complex,
Punjagutta Road, Hyderabad,
Telangana, 500082.
India.

Venue Attractions:

Frankfurt

Frankfurt, a central German city on the river Main, is a major financial hub that's home to the European Central Bank. It's the birthplace of famed writer Johann Wolfgang von Goethe, whose former home is now the Goethe House Museum. Like much of the city, it was damaged during World War II and later rebuilt. The reconstructed Altstadt (Old Town) is the site of Römerberg, a square that hosts an annual Christmas market

The Römerberg: Frankfurt's Old Town Center

In the heart of Frankfurt's Old Town (Altstadt), the Römerberg is an irregularly shaped square with the Justice Fountain (Gerechtigkeitsbrunnen) at its center. Not only is it Frankfurt's most picturesque public square, it's the city's busiest pedestrian zone and home to numerous tourist attractions and things to do. These include its many open-fronted shops, once common throughout the old town, and the Römer, with its 11 lovely buildings, faithfully reconstructed in 1954 from original 15th- to 18th-century floorplans. The historic Wertheim House survived the 1944 air raids that destroyed much of old Frankfurt.

The Museum District:

Frankfurt's Museum District (Museumsufer), on the south bank of the River Main, is a first-rate collection of separate museums, many of them of international standing. Highlights include the Museum of World Cultures (Museum der Weltkulturen), regarded as one of Europe's top ethnological museums. Founded in 1904, its collections include more than 65,000 artifacts from as far afield as Asia, Africa, and North and South America.

The Palm Garden

On the Bockenheimer Landstrasse is the beautiful 54-acre Palm Garden (Palmengarten), the largest botanic garden in Germany. An instant hit with the public upon its opening in 1871, it attracted some of the top performers from around the world, including Buffalo Bill, who visited with his Wild West show in 1890.

The Hauptwache:

In the middle of the city and one of Frankfurt's busiest pedestrian areas, the Hauptwache - literally translated, the Main Guard - is famous for its mix of fine historic buildings and modern structures. The most notable building here is the old Baroque Guard House after which the square is named. Built in 1730, it once housed the city's militia, a prison, and later, a police station, and now serves as a café. The square itself is one of Frankfurt's main shopping areas, complete with a large underground mall. It's also the point from which the city's main shopping and commercial streets radiate.