

www.airtec.aero/abstracts


AIRTEC
12th INTERNATIONAL AEROSPACE
SUPPLY FAIR

Participate in the
12th AIRTEC International Congress

Call for Abstracts



October 24–26, 2017
AeroExpoPark
Next to Munich Airport

Image of Airplane by AIRBUS

B2B Meetings

Exhibition

Congress

Connecting industry and science

The International AIRTEC Congress, as a major part of AIRTEC, is unique and different from other conferences. Over 200 presentations are highly industry-oriented and contain many top-keynote speakers from industry and research. The congress is directly embedded in the AIRTEC trade exhibition with 600 exhibitors and 15,000 B2B meetings.

The trade exhibition focuses on new technologies, innovations and trends, provides a comprehensive overview about the aerospace industry, and allows a direct communication between science and industry.

Welcome to AIRTEC 2017

AIRTEC is the world's most specialized trade fair for the entire international aerospace supply chain from engineering to production, components systems and life cycle support. With its focus on the whole aerospace supply chain, AIRTEC facilitates an important international business platform for the dialogue among first, second and third tier suppliers and to OEMs. AIRTEC also provides a platform for participants to gain and extend their knowledge of the latest trends and developments in the aerospace industry.

Along with AIRTEC, the congress brings together participants from industry, government institutions and academia. The lecture program will combine invited keynote presentations from high-level speakers with contributed papers to provide a forum for an easy exchange of information and interaction among the participants.

Under this year's motto "Sky high innovations", the congress is seeking to attract professionals in the fields of aeronautics, helicopters, UAVs and NewSpace. The topics addressed in the congress will cover all aspects of current and future aerospace products. Experts from all areas related to aerospace are welcome to contribute to the congress program with their latest developments, new products, projects and experiences. Major topics will be introduced by keynote lectures, followed by shorter contributed papers.

Publication in peer-reviewed journal

The papers of interested authors will be published in a peer-reviewed special issue of the Journal Aircraft Engineering and Aerospace Technology.

Deadline:
November 30, 2017

Instructions:
www.airtec.aero/journal



Key dates

May 31, 2017
Abstract submission deadline

June 30, 2017
Notification of acceptance

September 30, 2017
Submission of a full technical paper and/or publication of your presentation is optional. For these to be published in the proceedings CD, the submission deadline is September 30.

Abstract Submission

All abstracts have to be submitted at:

www.airtec.aero/abstracts

The following information will be required during the on-line submission process of your abstract: a summary that states the objective of the paper tentative title name and organization of the author and co-authors and all contact information selection of the most appropriate symposium

All abstracts will be reviewed by the related Scientific & Technical Advisory Board.

Shortly after the notification of acceptance you are required to register to the event at

www.airtec.aero/congress

Otherwise the acceptance will be withdrawn. Reduced speakers' fees as listed on the back of this flyer apply. By submitting you agree to the publication of all submitted material.

AERONAUTICS

FOCUSSED AREAS 2017

- Additive Manufacturing of large parts
- Automation in composite
- Adaptive Systems

This symposium covers all important and strategic aerospace issues. The programme combines invited keynote presentations from renowned leading experts with contributed papers, panel discussions, tutorials and three industry summits, one on procurement/supply chain management and two on R&D.

Chairman

Dr. Leslie Jay Cohen, Senior Vice President - NBD & Strategic Technology, Hitco, USA

Vice Chairman

Prof. Dr. Klaus Drechsler, Chair of Carbon Composites at Technical University of Munich, Germany

Committee Members Aeronautics

Avner Ben-Bassat, President & CEO Plataine, Israel

Dr. Mircea Calomfirescu, Airbus Defence and Space, Manching, Germany

Prof. Dr. Laurent Dala, R&D Manager and President of the Aeronautical Society, CSIR DPSS Aeronautics Systems, South Africa

Dr. Johann Dambeck, Expert Navigation Systems, MBDA, Germany

Dr. Lars Fiedler, Senior Manager, R&T Fuselage Structure, Airbus SAS, Germany

Prof. Dr. Giacomo Frulla, Turin Polytechnic University, Italy

Aerostructures

- Metallic Structures
- Composite Structures

Materials & Parts

- Aluminium, Titanium
- Special Alloys
- Composite & Consumables

Equipment & Facilities

- Machine Tools
- Low Cost Tooling
- Digs
- Fixture
- Assembly
- Cutting

Systems

- Landing Gear
- Wheels & Brakes
- Fuel Systems
- Air Systems
- Hydraulic Systems
- Mechanical Systems
- Adaptive Systems

Cabin

- Cabin Systems
- Electrical Systems
- Interiors
- Entertainment

Services

- Engineering
- Manufacturing & Automation
- Simulation & Training
- Maintenance, Repair & Overhaul
- Supply Chain Management
- Environmental Improvement

Propulsion

- Engines
- Nacelle
- Fuel Cells
- Alternative Fuels
- New Engine Concepts

Testing

- Characterising Corrosion: The Interaction of Components with the Environment
- Additive Manufacturing: Determination of the Manufacturing-Structure-Property Relationship
- Testing Prospective Approaches for Repairing Composite Parts and Metallic Parts

Avionics

- Airborne Actuation, Sensing and Imaging
- Low-Cost Navigation Systems
- Positioning, Navigation and Timing (PNT)

Operations

- Economical Operation of Aircraft Fleets
- Challenges of the OEMs to develop new technology
- Repairs of new materials like composites, ceramics
- Shop floor Education to provide the Chairman necessary skills

SPECIAL SESSIONS

- Global Supply Chain Summit
- R&D Summit Composites
- Additive Manufacturing in Aerospace
- Industry 4.0

Prof. Dr. Harald Funke,
Aachen University of Applied
Sciences, Germany

Gary Georgeson, Senior
Technical Fellow, Boeing
Research & Technology, USA

Gila Ghilai, Director of Air-
frame Design & Analysis, Israel
Aerospace Industry, Israel

Prof. Dr. Alfredo Güemes,
Polytechnic University of
Madrid, Spain

Dr. Tomas Ireman, Senior
Manager, Head of Loads,
Stress and Dynamics,
SAAB, Sweden

Dr. Josef Kallo, Head of
Group Fuel Cell and Battery
Systems, DLR Stuttgart,
Germany

Dr. Gregorio Kawiecki,
Boeing, Spain

Francois Kubica, A380 Chief
Engineer, Airbus SAS, France

Dr. Matthias Meyer, BA Com-
posites GmbH, Germany

Prof. Dr. Janusz Narkiewicz,
Warsaw University of Technol-
ogy, Poland

Reinald Pfau, Premium Aero-
tec, Germany

Prof. Murray L. Scott,
Managing Director, Advanced
Composite Structures Australia,
Melbourne, Australia

Prof. Romana Ewa Sliwa,
Rzeszow University of
Technology, Poland

Prof. Dr. Bernd Steckemetz,
University of Applied Sciences
Bremen, Germany

Dr. Brent Strong, Director
Manufacturing Forum, Brigham
Young University, USA

Dr. Jens Telgkamp, Head of
Fuselage and Generic Struc-
ture Design - ESDSR, Airbus
SAS, Germany

Dr. Jeff Wiggins, Director,
University of Sourthern
Mississippi, USA

- Future & Enabling Technologies
- Hybrid Configurations
- Green Platforms
- Civil & Military Helicopter Operation
- Flight Simulation, Flight Safety & Pilot Training
- Maintenance & Repair
- SAR, HEMS
- Ground & Flight Test Technology
- Situation Awareness
- Helicopter Mission

Chairman

Dr. Mark D. White,
Flight Simulation Manager,
The University of Liverpool,
United Kingdom

Committee Members

Prof. Dr. Salvatore Amoroso,
Energy Department Section
Engineering and Transport,
University of Palermo, Italy

Karl Bernetich, Composites
M&P, Boeing Research &
Technology, Rotorcraft, USA

**Superintendent M.A. D.-H.
Bothe,** Air Transport Helicopter
Pilot, Federal Police, Germany

Konstantin Kampa,
Head of Technical Expertise &
Manager General Engi-
neering, Airbus Helicopters,
Germany

Martin Stucki,
CEO, Marenco Holding AG,
Switzerland

Dr. Jim Sutter, Technical
Director Composite Projects,
South Carolina Research
Authority (SCRA), USA

Prof. Dr. Michael Weigand,
TU Wien, Institute for Engi-
neering Design and Logistics
Engineering, Machine Design
and Rehabilitation Engineer-
ing, Vienna, Austria

NewSpace

Further information on
this symposium

www.NewSpace.tech

NewSpace

- Mega constellations
- Small satellites – affordable space solutions
- Big Data
- Space Law – will lawyers prevent NewSpace?
- SatCom – New challenges for NewSpace?
- Space – Innovations from Space & for Space
- Launchers at the crossroads – challenges, affordability and solutions
- Additive Manufacturing

Chairman

Prof. Dr. Klaus Schilling,
University of Würzburg, Germany

Vice Chairman

Dr. Cornelius Schalinski,
Deputy Head Business Development,
OHB System AG, Germany

Committee Members

Prof. Dr. Alin Olimpiu Albu-Schäffer,
Director DLR-German Aerospace Centre
for Robotics and Mechatronics, Wess-
ling, Germany

Dr. Major Chahal, Head of Technolo-
gy Transfer and Standards, UK
Space Agency, United Kingdom

Giovanni D'Aliesio, Manager New
Business Electronics, MDA, Canada

Prof. Dr. Roger Förstner, Institute of
Space Technology & Space Appli-
cations, Universität der Bundeswehr,
Munich, Germany

Hon. Prof. Dr. Eveline Gottzein,
Processing & Platform Equipment, Airbus
Defence and Space, Germany

Dr. Peter Hofmann, Director
Space Research & Technology Consult-
ing, OHB System AG, Germany

Prof. Dr. Alexander Nebylov, Director
of IIAAT SUAI, St. Petersburg, Russia

Matthieu Roulet, Head of Strategy &
European Business Development, Airbus
Defence and Space, France

Dr. Martin Sippel, DLR Bremen,
Germany

FOCUSSED AREAS 2017

- Civil UAV Missions
- Hybrid Configurations
- Air Space Integration

UAV provides an international meeting place for the UAS community, covering both, the civil and the military market to exchange the latest information on UAS technologies and missions. Well respected experts from the industry, academia and governmental institutions come here together to meet and discuss.

Technologies & Platforms

- Fixed Wing
- Rotary Wing
- Hybrid Configurations
- Air Ship
- Rockets
- Orbiting Platforms
- Bionic (Smart Bird, Smart Bee)

Missions

- Civil UAV Missions (rescue, agriculture, security, geo, film, transport)
- Military UAV Missions
- Safety for Operations to Avoid Collision

Chairman

Dr. Norbert Tränapp, tbc

Vice Chairman

Prof. Dr. Dieter Moormann,
Institute of Flight System
Dynamics,
RWTH Aachen University,
Germany

Ground Control

- Air Space Integration
- Situation Awareness
- Automation & Planning

Ethical Aspects & Public Acceptance

- Attack of Drones
- Emergency Missions
- Protection of Privacy

Certification, Verification, Validation & Harmonization

- EASA Standards
- FAA Standards
- DIN Standards
- ISO Standards

Committee Members

Prof. Dr. Alin Olimpiu Albu-Schäffer, Director DLR-German Aerospace Centre for Robotics and Mechatronics, Wessling, Germany

Prof. Dr. David Bird, Emeritus Professor of Wildlife Biology and Editor of Journal of Unmanned Vehicle Systems Department of Natural Resource Sciences, McGill University, Canada

Prof. Dr. Florian Holzapfel, Institute of Flight System Dynamics, Technical University of Munich Germany

Prof. Dr. Horst Schmidt-Bischoffshausen, Consulting, Germany

Thomas Gottmann, Senior Manager Barracuda / Agile UAV NCE, Airbus Defence and Space, Germany

Dr. René Knorr, Director UAS Programms, ESG Elektroniksystem- und Logistik GmbH, Germany

Dr. Konstantin Kondak, Head of Flying Robots Group, DLR-German Aerospace Center for Robotics and Mechatronics, Wessling Germany

Francisco A. Navarro, Chief ATM Scientist UAS Management, Boeing Research & Technology Europe

Prof. Dr. Axel Schulte, Aircraft Dynamics and Flight Guidance of the Universität der Bundeswehr, Munich, Germany

Florian Seibel, CEO Quantum Systems GmbH, Germany

SPECIAL SESSIONS

- Maintenance and Monitoring
- Transport & Logistics within Industry Complexes
- Transport & Logistics to difficult accessible areas (Isles, Mountains, Desert, etc)

Speakers' Fees

Registration	3 Days	2 Days	1 Day
Speakers	€ 495,-	€ 390,-	€ 345,-
Governmental institutions ¹	€ 199,-	€ 169,-	€ 149,-

Please note: Students' rates do not apply for speakers

Congress Fees

Registration	3 Days	2 Days	1 Day
Early Bird until Sep. 15 th	€ 845,-	€ 695,-	€ 495,-
Standard	€ 995,-	€ 845,-	€ 585,-
Governmental institutions ¹	€ 299,-	€ 249,-	€ 199,-
Students / Ph.D. Students	free	free	free
Military Delegation in uniform	free	free	free
Exhibitors / Co-Exhibitors ²	free	free	free

The congress fee includes admission to the complete congress including all symposia and the exhibition, lunch and refreshments, documentation, proceedings CD. Free of charge participation does not include lunch. Free entry and special conditions for co-sponsoring partner institutions. The list of eligible partner institutions can be found under www.airtec.aero/partner-institutions. All prices include VAT.

1. i.e. Universities, Research Organizations, DLR, Fraunhofer
2. Each exhibitor / co-exhibitor receives one congress pass free of charge.
Additional passes are subject of a 50% discount.

Entrance free to the get-together evening on October 25th cost € 120.- including food, beverage and entertainment program.

An aerial view of Earth from space, showing a curved horizon and a dense layer of white clouds. The land below is visible in shades of green and brown. The entire image is overlaid with a blue gradient, transitioning from a darker blue at the top to a lighter blue at the bottom.

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