230 lectures
3 days
7 symposia

Register now!
www.airtec.aero/congress

9th AIRTEC 2014
International Congress
28 – 30 OCT 2014, Frankfurt/Germany

Preliminary Program
as of October 9th, 2014

including
5th International SPACE World 2014
NEW: Commercial Space
AIRTEC’s core are B2B Meetings. From 8 weeks prior to the event, our web platform lets you plan your meetings. Structured by key words for highly efficient matchmaking, meetings take place at the booths of the exhibition. The support of our staff maximizes the number of targeted meetings taking place.

Holding B2B Meetings at the exhibition booths gives Sales and Business Development Managers the opportunity to present their products and services to procurement and supply chain managers, technology experts, developers and project engineers, in a professional environment. You benefit from qualitative and high standard B2B Meetings.

In the tradition of the past years, the 9th AIRTEC 2014 International Congress offers technology decision makers from around the world an ideal forum to communicate around the aerospace supply chain. The Congress takes place in the middle of the exhibition to ensure an optimal exchange. For 2014 we expect more than 800 attendees.

The 9th AIRTEC 2014 International Congress consists of the following 7 symposia with a total of over 230 lectures within 3 days. On the following pages, you will find detailed informations about each symposium.

Frankfurt, one of Europe’s most vibrant and modern cities, is annually hosting AIRTEC. Frankfurt is conveniently accessible from all over the world. Exhibitors and participants take advantage of the professional environment of one of the largest fair venues in Europe.
### MORNING

<table>
<thead>
<tr>
<th>ROOM 1</th>
<th>ROOM 2</th>
<th>ROOM 3</th>
<th>ROOM 4</th>
<th>ROOM 5</th>
<th>ROOM 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00 Check-in and Morning Coffee</td>
<td>09:00 Check-in and Morning Coffee</td>
<td>09:00 Check-in and Morning Coffee</td>
<td>09:00 Check-in and Morning Coffee</td>
<td>09:00 Check-in and Morning Coffee</td>
<td>09:00 Check-in and Morning Coffee</td>
</tr>
<tr>
<td>09:00 Check-in and Morning Coffee</td>
<td>09:00 Welcome Address</td>
<td>09:00 Welcome Address</td>
<td>09:00 Welcome Address</td>
<td>09:00 Welcome Address</td>
<td>09:00 Welcome Address</td>
</tr>
<tr>
<td>09:00 Check-in and Morning Coffee</td>
<td>Supply on the Wings</td>
<td>Supply on the Wings</td>
<td>UAV World</td>
<td>UAV DACH Meeting (by invitation only)</td>
<td>09:00 Check-in and Morning Coffee</td>
</tr>
<tr>
<td>09:00 Check-in and Morning Coffee</td>
<td>Metallic Structures</td>
<td>General Aviation</td>
<td>10:00 Lunch Break</td>
<td>10:00 Lunch Break</td>
<td>10:00 Lunch Break</td>
</tr>
<tr>
<td>11:00 Coffee Break</td>
<td>11:00 Coffee Break</td>
<td>11:00 Coffee Break</td>
<td>11:00 Coffee Break</td>
<td>11:00 Coffee Break</td>
<td>11:00 Coffee Break</td>
</tr>
<tr>
<td>13:00 Lunch Break</td>
<td>13:00 Lunch Break</td>
<td>13:00 Lunch Break</td>
<td>13:00 Lunch Break</td>
<td>13:00 Lunch Break</td>
<td>13:00 Lunch Break</td>
</tr>
</tbody>
</table>

**Please note:** This document is a copy of the ONLINE PROGRAM as of October 9, 2014 and is due to change. Please check the ONLINE PROGRAM for latest version and further details.
## Oct. 28th - AFTERNOON

**ROOM 1**

- **13:00 Lunch Break**
  - Additive Manufacturing in Aerospace

**ROOM 2**

- **13:00 Lunch Break**
  - Enabling Technologies
  - **14:00 Advanced Composites Technology Development at NASA Langley Research Center**
    - Dr John W. Connell, NASA Langley Research Center, US
  - **14:30 Overview of the NASA 5.5 M Composite Cryotank Technology Development Program**
    - Dr Douglas A. McCarville, Boeing Research and Technology, US

**ROOM 3**

- **13:00 Lunch Break**
  - Platforms
  - **14:00 Civil UAS Applications**
    - Shinoma Teach, AFG - Advanced Programs Group, IL
  - **14:30 Predator Aircraft Series Status Report: Military & Civilian Missions**

**ROOM 4**

- **13:00 Lunch Break**
  - UAV DACH Meeting (by invitation only)

**ROOM 5**

- **13:00 Lunch Break**
  - Propulsion
  - **14:00 Smart Rockets**
    - Christian Bach, TU Dresden, DE
  - **14:30 Space Situation Awareness / Space Debris / Space Weather**
    - Wolfgang Riede, German Aerospace Center DLR, Institute of Technical Physics, DE
  - **15:00 Protection of Space Assets using Laser Technology**
    - Tom Erkkinen, MathWorks, DE
  - **15:30 Overcoming Main Problems of Fixed Wing UAS by Innovative Design - the Vtol FwVGo II (Fixed Wing Copter)**
    - Dr Hans-Peter Thamm, Geo-Technic, DE

**ROOM 6**

- **13:00 Lunch Break**
  - Aerospace Testing
  - **14:00 Test Approach for small and medium avionics equipment development projects**
    - Tom Erkkinen, MathWorks, DE
  - **14:30 Use of Qualified Tools to Verify Outputs of Unqualified Tools**
    - Torsten Frenrich, socon Software Consulting GmbH, DE
  - **15:00 Recuperation with a battery/fuel cell hybrid in the Antares DLR-H2**
    - Steffen Flade, German Aerospace Center DLR, DE
  - **15:30 A cost effective way of conducting EMI-measurements**
    - Sven Böhmer, Statex Produktions & Vertriebs GmbH, DE

---

Please note: This document is a copy of the ONLINE PROGRAM as of October 9, 2014 and is due to change. Please check the ONLINE PROGRAM for latest version and further details.

---

**Global Supply Chain Summit**

- **17:15 Presentation**
  - Mark Scuderi, The Boeing Company - Sr.
**Oct. 28th Evening**

<table>
<thead>
<tr>
<th>ROOM 1</th>
<th>ROOM 2</th>
<th>ROOM 3</th>
<th>ROOM 4</th>
<th>ROOM 5</th>
<th>ROOM 6</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Global Supply Chain Summit</strong></td>
<td><strong>4th edition of the &quot;U.S. German Aerospace Roundtable&quot; UGART (by invitation only)</strong></td>
<td><strong>Platforms</strong></td>
<td><strong>UAV DACH Meeting (by invitation only)</strong></td>
<td><strong>Enabling Technologies</strong></td>
<td><strong>AEROSPACE SENSORS</strong></td>
</tr>
<tr>
<td>17:30 Presentation</td>
<td>17:30 Presentation</td>
<td>17:30 IAT21’s D-Dalus VTOL – efficiency increase in forward flight</td>
<td>17:30 Future Navigation Opportunities with the Galileo Satellite System</td>
<td>17:30 Draw Tower Gratings: from point sensing to fully distributed measurements</td>
<td>17:30 Draw Tower Gratings: from point sensing to fully distributed measurements</td>
</tr>
<tr>
<td>17:45 Presentation</td>
<td>17:45 Presentation</td>
<td>Modelling/Simulation</td>
<td>17:30 Future Navigation Opportunities with the Galileo Satellite System</td>
<td>18:00 Using capability models for UAV sensor deployment</td>
<td>18:00 Impacts of particles on aircraft components: Which parameter do we need and how can we measure it?</td>
</tr>
<tr>
<td>Ishii Hiroyuki, Kawasaki Heavy Industries</td>
<td>Ishii Hiroyuki, Kawasaki Heavy Industries</td>
<td>18:00 Using capability models for UAV sensor deployment</td>
<td>Prof. Peter Stütz, Universität der Bundeswehr München, DE</td>
<td>Prof. Peter Stütz, Universität der Bundeswehr München, DE</td>
<td>A. Vogel, NILU – Norwegian Institute for Air Research, NO</td>
</tr>
<tr>
<td>18:00 Presentation</td>
<td>18:00 Presentation</td>
<td>18:30 Object-Oriented Aircraft Modelling</td>
<td>18:00 VEGGIE Lab on ISS</td>
<td>18:30 Sensors and Tools for Space Robotics applications and Systems</td>
<td>18:30 Sensors and Tools for Space Robotics applications and Systems</td>
</tr>
<tr>
<td>Gerald Fiehler, ViscoTec America - President/CEO, US</td>
<td>Jennifer Potts, Bell Helicopter Textron Inc, US</td>
<td>Andreas Klockner, German Aerospace Center DLR, DE</td>
<td>Richard Godwin, Zero Gravity Solutions, Inc. - CEO, US</td>
<td>John Ratti, MDA, CA</td>
<td>John Ratti, MDA, CA</td>
</tr>
<tr>
<td>18:30 Presentation</td>
<td>18:30 Presentation</td>
<td>18:30 Object-Oriented Aircraft Modelling</td>
<td></td>
<td></td>
<td>18:30 A system model for laminar wing ice protection</td>
</tr>
<tr>
<td>Brad Alexander, Parker Aerospace / Parker Hannifin Corporation - Manager of Supply Chain Integration and International</td>
<td>Brad Alexander, Parker Aerospace / Parker Hannifin Corporation - Manager of Supply Chain Integration and International</td>
<td>18:30 Object-Oriented Aircraft Modelling</td>
<td></td>
<td></td>
<td>Markus Pfeil, TWT GmbH Science &amp; Innovation, DE</td>
</tr>
<tr>
<td>18:45 Presentation</td>
<td>18:45 Presentation</td>
<td>18:30 Object-Oriented Aircraft Modelling</td>
<td></td>
<td></td>
<td>18:30 A system model for laminar wing ice protection</td>
</tr>
<tr>
<td>Dr Christof May, Airbus Group - Head of Airbus Group/Airbus Procurement Governance, DE</td>
<td>Dr Christof May, Airbus Group - Head of Airbus Group/Airbus Procurement Governance, DE</td>
<td>18:30 Object-Oriented Aircraft Modelling</td>
<td></td>
<td></td>
<td>Markus Pfeil, TWT GmbH Science &amp; Innovation, DE</td>
</tr>
<tr>
<td>19:00 Presentation</td>
<td>19:00 Presentation</td>
<td>18:30 Object-Oriented Aircraft Modelling</td>
<td></td>
<td></td>
<td>18:30 A system model for laminar wing ice protection</td>
</tr>
<tr>
<td>Thomas Tschirner, Rolls Royce Deutschland Ltd &amp; Co KG - Regional Supplier Management Executive, DE</td>
<td>Thomas Tschirner, Rolls Royce Deutschland Ltd &amp; Co KG - Regional Supplier Management Executive, DE</td>
<td>18:30 Object-Oriented Aircraft Modelling</td>
<td></td>
<td></td>
<td>Markus Pfeil, TWT GmbH Science &amp; Innovation, DE</td>
</tr>
<tr>
<td>19:15 RECEPTION</td>
<td>19:15 RECEPTION</td>
<td>18:30 Object-Oriented Aircraft Modelling</td>
<td></td>
<td></td>
<td>18:30 A system model for laminar wing ice protection</td>
</tr>
</tbody>
</table>

Please note: This document is a copy of the ONLINE PROGRAM as of October 9, 2014 and is due to change. Please check the ONLINE PROGRAM for latest version and further details.
**ROOM 1**

**9:00 Check-in and Morning Coffeee**

**RAD SUMMIT: FUTURE AIRCRAFT DESIGN**

**9:30 Future Aviation Challenges**
Axel Flag, Airbus - Senior Vice President

**10:00 Presentation**
Prof. Sergey Chernyshyov, TsAGI, RU

**10:15 Presentation**
Dr. Leslie J. Cohen, Hilco Carbon Composites - Senior VP at Hilco Carbon Composites, US

**10:30 Panel Discussion**

---

**MORNING**

**ROOM 2**

**9:00 Check-in and Morning Coffeee**

**Combat Aircraft**

**9:30 Designing for Supersonic Cruise**
Flight - supersonic from the Aerodynamic Designer's Viewpoint
Dr. Igor Bashkirev, TsAGI, RU

**9:45 Presentation**

**10:00 Presentation**
Dr. Ignat Iryanov, TsAGI, RU

---

**ROOM 3**

**9:00 Check-in and Morning Coffeee**

**UAV World**

**9:30 Designing for Public Safety**
Dr. John W. Connell, NASA Langley

**9:45 Presentation**

**10:00 Presentation**
Leonard Poveromo, Composite Prototyping Center (CPC), US

---

**ROOM 4**

**9:00 Check-in and Morning Coffeee**

**AEROSPACE SENSORS**

**9:30 Flight Parameters Measurement System**
Grzegorz Kopecki, Rzeszów University of Technology, PL

**9:45 Presentation**

**10:00 Airborne Survey & Surveillance**
George J. DeCock, Airborne Technologies GmbH, AT

---

**ROOM 5**

**9:00 Check-in and Morning Coffeee**

**SPACE World**

**9:30 KEYNOTE**
Prof. Johann-Dietrich Wörner, German Aerospace Center DLR, DE

**9:45 Presentation**

**10:00 KEYNOTE**
Dr. John Olson, Sierra Nevada Corporation - Vice President Space Systems Group, US

---

**ROOM 6**

**9:00 Check-in and Morning Coffeee**

**HELICOPTER Technologies**

**9:30 Engine Protection Systems to Improve Helicopter Availability**
Dr. Helmut Ciezki, DLR Institute of Space Propulsion, DE

**9:45 Presentation**

**10:00 VISION – the Future of Human-centric Cockpit Design**
Ralph Habig, OPTIS GmbH, DE

---

**Please note:** This document is a copy of the ONLINE PROGRAM as of October 9, 2014 and is due to change. Please check the ONLINE PROGRAM for latest version and further details.
ROOM 1
13:15 Lunch Break

Panel Discussion: Certification & Air Space Integration

14:00 Lecture
Peter Pletschacher, Publisher and Editor in Chief Magazine «Luft und Raumfahrt», DE

14:25 Lecture
Jens Lehmann, Deutsche Flugsicherung DFS / Gewerkschaft der Flugsicherung GbR, DE

14:50 Lecture
Doug Davis, Northrop Grumman - Director of Airworthiness, US

15:15 Lecture
Bundeswehr Munich, DE

16:00 Coffee Break

Space Transport / Commercial Payload

16:30 Presentation
George T. Whitesides, Virgin Galactic, US

17:00 Lecture
Mark Sirogelo, Sierra Nevada Corporation, US

17:30 The Space Carrier Concept
Dr. Martin Sippel, Institute of Space Systems, German Aerospace Center DLR - Head of Space Launcher Systems Analysis Department, DE

ROOM 2
13:15 Lunch Break

In-Space-Infrastructure / Orbital Infrastructure / Exploration

14:00 Autonomous Navigation Using Multi-Resolution Data Fusion for Robotic Planetary Exploration
Alexandru Rusu, ONERA, FR

14:30 Lecture
Ralf Dietmann, Space Administration, General Technologies and Robotics, German Aerospace Center DLR, DE

15:00 Thermoelectric Power Generation
Thomas Wailait, Active Space Technologies GmbH, DE

15:30 KoNastia: Design and Simulation of an Asteroid Mining Mission based on highly autonomous Navigation
Alena Probst, Institute of Space Technology and Space Applications, Universitat der Bundeswehr München, DE

16:00 Coffee Break

16:30 Presentation
S. Michael Grady, Honeywell, US

17:00 Automated Composites Lamination - Cost vs Payback
Vern Benson, ATK Aerospace Structures, US

17:30 Sustainability made in Brazil - natural materials in aircraft
Luciana Ribeiro Monteiro, EMBRAER, BR

ROOM 3
13:00 Lunch Break

Additive Manufacturing

14:00 Manufacturing of aircraft engine transmission gears with SLS method
Grzegorz Budziak, Rzeszow University of Technology, PL

14:30 Mechanical response of hygrothermal conditioned fiber metal laminates
Krzysztof Majerski, Lublin University of Technology, PL

15:00 Integrated Modular Architectures and IMA: History and System Integration Capabilities
Mirko Jakovlevic, TITech, AT

15:30 Computer-Aided Systems Architecting of Distributed Integrated Modular Avionics
Bjoern Annighofer, Hamburg University of Technology / TüTech Systems Architecting Innovation, DE

16:00 Coffee Break

ROOM 4
13:00 Lunch Break

Aerospace Testing

14:00 Diagnostics system for the process of creep-feed grinding of inconel 718 alloy based on multiple signals
Robert Babiarz, Rzeszow University of Technology, PL

14:30 ANOFOL, Light Coils from anodized Aluminum, the Alternative to copper
Dr. Oliver Zimmermann, Steintert Elektromagnetbau GmbH, DE

15:00 Integrated Modular Architectures and IMA: History and System Integration Capabilities
Mirko Jakovlevic, TITech, AT

14:30 Lecture
Paul Oldroyd, Bell Helicopter / Textron, Inc - Technical Fellow, Manufacturing & Engineering Process Development., US

15:30 Future European Launcher Systems
Augusto González, European Commission - Head of Unit Policy and Space Research in the Directorate General Enterprise and Industry, BE

16:00 Coffee Break

Aerospace Avionics

16:30 FPGA in A&D – V&V aspects in the context of a global collaboration model
Gopal Srivinas Prasad, Ceyant GmbH, DE

17:00 Fly eyes out and head up to improve safety and operational capabilities
Hans Brandtberg, Saab AB, EDS, Avionics Systems, DE

17:30 Rosetta Mission Flight Landing
Prof. Tilman Spohn, Institute of Planetary Research, German Aerospace Center DLR, DE

ROOM 5
13:00 Lunch Break

Aviation/Space Law, Space Policy

14:00 FAA Commercial Space Transportation Regulations and International Cooperation

14:30 Lecture
Practical Habe, ILM, Institute of Air and Space Law, University of Cologne, DE

15:00 Lecture
Swen Kalltenhäuser, Institute of Flight Guidance, German Aerospace Center DLR, DE

15:30 Future European Launcher Systems
Augusto González, European Commission - Head of Unit Policy and Space Research in the Directorate General Enterprise and Industry, BE

16:00 Coffee Break

Aviation/Space Law, Space Policy

16:30 Looking at your fuel supply chain – How safe is your fuel?
Stefan Sulzdner, SGS Germany GmbH, DE

17:00 FAA Center of Excellence in Commercial Space Transportation
Madhurita Sengupta, Center of Excellence - Commercial Space Transportation/ U.S. Federal Aviation Administration (FAA), US

17:30 Process Optimization for C-Parts Change Management
Tim Spangenberg, P3 Aviation GmbH, DE

ROOM 6
13:00 Lunch Break

Helicopter Technologies

14:00 Agile, Sustainable, Aerospace Manufacturing
Paul Oldroyd, Bell Helicopter / Textron, Inc - Technical Fellow, Manufacturing & Engineering Process Development., US

14:30 Lecture
Jens Halbig, Airbus Defence & Space, DE

15:00 Thermoacoustic Power Generation
Thomas Wailait, Active Space Technologies GmbH, DE

15:30 Experimental verification of the simulation of the aircraft bevel gear contact
Jadwiga Pisula, Warsaw University of Technology, PL

16:00 Coffee Break

Aerospace Avionics

16:30 Process Optimization for C-Parts Change Management
Tim Spangenberg, P3 Aviation GmbH, DE

17:00 FAA Center of Excellence in Commercial Space Transportation
Madhurita Sengupta, Center of Excellence - Commercial Space Transportation/ U.S. Federal Aviation Administration (FAA), US

17:30 Process Optimization for C-Parts Change Management
Tim Spangenberg, P3 Aviation GmbH, DE

Please note: This document is a copy of the ONLINE PROGRAM as of October 9, 2014 and is due to change. Please check the ONLINE PROGRAM for latest version and further details.
18:00 Fluted Core Skirt Development for the Composite Cryotank Technology Development
Dr. Douglas A. McCarville, Boeing Research and Technology, US

18:30 Powerful zero-point-energy converter – Theory and experiment
Prof. Claus W. Turtur, Ostfalia University of Applied Sciences, DE

18:00 Flight path planning of UAV after failure
Andrzej Majka, Rzeszów University of Technology, PL

18:30 Evaluation of UAV collision avoidance methods
Alexander Hillebrecht, IABG mbH, DE

17:50 Assessment of aircraft engine blades geometric accuracy using ATOS GOM measuring system
Paweł Rokicki, Rzeszów University of Technology, PL

18:10 Rate of crystalline perfection turbine blades of the single crystal nickel based CMSX-4 superalloys by X-Ray diffraction
K. Gancarczyk, Rzeszów University of Technology, PL

18:30 Properties of aluminide modified coatings and TBC’s deposited on turbine blades
M. Pytel, Rzeszów University of Technology, PL

18:00 Innovative infusion method for out of autoclave and autoclave processes
Arne Hindersmann, German Aerospace Center DLR, DE

18:20 Product development through combination of Topological Optimization and Investment Casting using the example of the CV19 Hinge Arm, TITAL GmbH, DE

18:40 Tool-less manufacturing for single crystal high pressure turbine parts
Heiko Schilling, FLC Flowcastings GmbH, DE

18:00 Nano Racks
Ulrich Kuebler, Airbus Defence and Space - Director Business Innovation & Intelligence, DE

18:30 On Orbit Servicing Space Robotics Technologies
Dr. Alin Albu-Schaeffer, Institute of Robotics and Mechatronics, German Aerospace Center DLR, DE

18:30 Properties of aluminide modified coatings and TBC’s deposited on turbine blades
M. Pytel, Rzeszów University of Technology, PL

Please note: This document is a copy of the ONLINE PROGRAM as of October 9, 2014 and is due to change. Please check the ONLINE PROGRAM for latest version and further details.
<table>
<thead>
<tr>
<th>ROOM 1</th>
<th>ROOM 2</th>
<th>ROOM 3</th>
<th>ROOM 4</th>
<th>ROOM 5</th>
<th>ROOM 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00 Check-in and Morning Coffeee</td>
<td>09:00 Check-in and Morning Coffeee</td>
<td>09:00 Check-in and Morning Coffeee</td>
<td>09:00 Check-in and Morning Coffeee</td>
<td>09:00 Check-in and Morning Coffeee</td>
<td>09:00 Check-in and Morning Coffeee</td>
</tr>
<tr>
<td>KEYNOTES</td>
<td>Spaceports / Ground Infrastructure / Economic Aspects</td>
<td>BavAliR e.V. SESSION</td>
<td>AEROSPACE TESTING</td>
<td>ESA Roadmaps for Future Satellite Technologies</td>
<td>HELICOPTER Operations</td>
</tr>
<tr>
<td>09:30 KEYNOTE</td>
<td>09:30 Testing ground for unmanned aerial vehicles</td>
<td>09:30 Who’s Ahead? From Hope to Certainty</td>
<td>09:30 A new simulation method for bird strike against helicopter windscreen</td>
<td>10:00 UA Command and Control from within the Cockpit</td>
<td></td>
</tr>
<tr>
<td>10:00:00</td>
<td>10:00:00</td>
<td>10:00:00</td>
<td>10:00:00</td>
<td>10:00:00</td>
<td>10:00:00</td>
</tr>
<tr>
<td>10:00:00 SpaceLinier – Economics and Operations</td>
<td>10:00:00 The Unmanned Mission Avionics Test Aircraft (UMAT) and its Flexible Mobile Ground Control Station</td>
<td>10:00:00 Fuel tank resistance to HRAM: analysis of enhanced T-joint designs</td>
<td>10:00:00 Made In Space – 3D Printing on board ISS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Olga Trivaillo, Institute of Space Systems, German Aerospace Center DLR - Space Launcher Systems Analysis Department, DE</td>
<td>Dr. Hanns-Walter Schulz, ESO Elektroniksystem- und Logistik GmbH, DE</td>
<td>Dr. Michael May, Fraunhofer EMI, DE</td>
<td>Thomas Walati, Active Space Technologies GmbH, DE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:30:00</td>
<td>10:30:00</td>
<td>10:30:00</td>
<td>10:30:00</td>
<td>10:30:00</td>
<td></td>
</tr>
<tr>
<td>Electricity on Composite Wings: LAtelc Solutions</td>
<td>10:30:00 The latest developments in the market for lubricants for the aviation industry</td>
<td>10:30:00 The Unmanned Mission Avionics Test Aircraft (UMAT) and its Flexible Mobile Ground Control Station</td>
<td>10:30:00 Regional passenger transport: a comparison analysis between helicopter and seaplane</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TBA, LAtelc, DE</td>
<td>Dr. Lutz Kogel, SGS Germany GmbH, DE</td>
<td>Dr. Michael May, Fraunhofer EMI, DE</td>
<td>Dr. Francesco Castelluccio, Università degli Studi di Palermo, IT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00:00</td>
<td>11:00:00</td>
<td>11:00:00</td>
<td>11:00:00</td>
<td>11:00:00</td>
<td></td>
</tr>
<tr>
<td>New Civil Aircraft Configurations in TsAGI Research</td>
<td>Functional Safety and IT-Security in the design process</td>
<td>Inertial Laboratory Simulation</td>
<td>Lecture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prof. Sergey Chernyshev, TsAGI, RU</td>
<td>Christoph Hauck, Institute of Flight System Dynamics (TUM), DE</td>
<td>Christopher Blum, Institute of Flight System Dynamics (TUM), DE</td>
<td>Dr. Michael May, Fraunhofer EMI, DE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:30:00</td>
<td>11:30:00</td>
<td>11:30:00</td>
<td>11:30:00</td>
<td>11:30:00</td>
<td></td>
</tr>
<tr>
<td>Coffee Break</td>
<td>Coffee Break</td>
<td>Coffee Break</td>
<td>Coffee Break</td>
<td>Coffee Break</td>
<td></td>
</tr>
<tr>
<td>11:30:00</td>
<td>11:30:00</td>
<td>11:30:00</td>
<td>11:30:00</td>
<td>11:30:00</td>
<td></td>
</tr>
<tr>
<td>Composite Structures</td>
<td>BavAliR e.V. SESSION</td>
<td>AEROSPACE TESTING</td>
<td>AEROSPACE TESTING</td>
<td>HEICOPTER Operations</td>
<td></td>
</tr>
<tr>
<td>12:00:00</td>
<td>12:00:00</td>
<td>12:00:00</td>
<td>12:00:00</td>
<td>12:00:00</td>
<td></td>
</tr>
<tr>
<td>Use of renewable energy in future aviation</td>
<td>Certification of RPAS Sub-Components – A Case-Based Approach</td>
<td>Developing Hydraulic Integration System Test Rigs</td>
<td>Developing Hydraulic Integration System Test Rigs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Josef Kollo, German Aerospace Center DLR, DE</td>
<td>Dr. Josef Mandler, ACENTISS GmbH - CEO, DE</td>
<td>Darryn R. La Zar, Wineman Technology Inc., US</td>
<td>Darryn R. La Zar, Wineman Technology Inc., US</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:30:00</td>
<td>12:30:00</td>
<td>12:30:00</td>
<td>12:30:00</td>
<td>12:30:00</td>
<td></td>
</tr>
<tr>
<td>The latest developments in alternative fuel aviation</td>
<td>Example for civil use of RPAS: Inspection on wind rotor systems</td>
<td>Example for civil use of RPAS: Inspection on wind rotor systems</td>
<td>Example for civil use of RPAS: Inspection on wind rotor systems</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13:00:00</td>
<td>13:00:00</td>
<td>13:00:00</td>
<td>13:00:00</td>
<td>13:00:00</td>
<td></td>
</tr>
<tr>
<td>Lunch Break</td>
<td>Lunch Break</td>
<td>Lunch Break</td>
<td>Lunch Break</td>
<td>Lunch Break</td>
<td></td>
</tr>
</tbody>
</table>
### Oct. 30th AFTERNOON

<table>
<thead>
<tr>
<th>ROOM 1</th>
<th>ROOM 2</th>
<th>ROOM 3</th>
<th>ROOM 4</th>
<th>ROOM 5</th>
<th>ROOM 6</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>13:30 Lunch Break</strong></td>
<td><strong>13:30 Lunch Break</strong></td>
<td><strong>13:30 Lunch Break</strong></td>
<td><strong>13:30 Lunch Break</strong></td>
<td><strong>13:30 Lunch Break</strong></td>
<td><strong>13:30 Lunch Break</strong></td>
</tr>
<tr>
<td><strong>KEYNOTES</strong></td>
<td><strong>Composite Structures</strong></td>
<td><strong>Autonomy &amp; Planning</strong></td>
<td><strong>AEROSPACE TESTING</strong></td>
<td><strong>Enabling Technologies</strong></td>
<td><strong>AEROSPACE AVIONICS</strong></td>
</tr>
</tbody>
</table>
| **14:30 A Perspective on Aerospace Technology Development and Transition**  
Brian P. Rice, University Of Dayton Research Institute, US | **14:30 An Approach towards an Optimal Design of Composite Structures**  
Dr Barbara Goller, INTALES GmbH Engineering Solutions, AT | **14:30 Preliminary Design of Redundancy Management System for LSA UAV Flight Control System Based On Functional Hazard Analysis Result**  
Fird Surastya Pranoto, LAPAN Indonesian National Institute of Aeronautics and Space, ID | **14:30 NDT.VS.SHM for Composite Structures**  
Alfredo Guemes, UPm, ES | **14:30 Introduction to CAN FD**  
Peter Decker, Vector Informatik GmbH, DE | **14:30 Lunch Break** |
| **15:00 High Volume and Affordable Aerospace Sealing and Shimming**  
Gerald Fleier, ViscoTec America - President/CEO, US | **15:00 Conductive Polymer Based Electromagnetic Wave Absorbing Structures**  
Dr Engin ACIKALIN, TUBITAK MARMARA RESEARCH CENTER, TR | **15:00 Programming of the milling operation of Gleason spiral bevel gears on the 4 - axis CNC laboratory machine**  
Piotr Blazucki, Warsaw University of Technology, PL | **15:00 Lecture**  
Dr Bernhard Schmidt-Tedd, German Aerospace Center DLR - Head of Legal Support for Agency Affairs, DE | **15:00 A dual compression Ethernet camera solution for airborne applications**  
Stephen Willis, Curtiss-Wright, IE | **15:00 Lunch Break** |
| **15:10 High Volume and Affordable Aerospace Sealing and Shimming**  
Gerald Fleier, ViscoTec America - President/CEO, US | **15:10 Conductive Polymer Based Electromagnetic Wave Absorbing Structures**  
Dr Engin ACIKALIN, TUBITAK MARMARA RESEARCH CENTER, TR | **15:00 Optimization of UAV fleet operation - System of System approach**  
Antoni Kopyt, Warsaw University of Technology, PL | **15:00 Lecture**  
Dr Bernhard Schmidt-Tedd, German Aerospace Center DLR - Head of Legal Support for Agency Affairs, DE | **15:00 A dual compression Ethernet camera solution for airborne applications**  
Stephen Willis, Curtiss-Wright, IE | **15:00 Lunch Break** |
| **15:30 Lunch Break** | **15:30 Lunch Break** | **15:30 Lunch Break** | **15:30 Lunch Break** | **15:30 Lunch Break** | **15:30 Lunch Break** |
| **Composite Structures** | **AEROSPACE TESTING** | **Enabling Technologies** | **AEROSPACE AVIONICS** | **AEROSPACE AVIONICS** | **AEROSPACE AVIONICS** |
| **14:30 An Approach towards an Optimal Design of Composite Structures**  
Dr Barbara Goller, INTALES GmbH Engineering Solutions, AT | **14:30 NDT.VS.SHM for Composite Structures**  
Alfredo Guemes, UPm, ES | **14:30 Introduction to CAN FD**  
Peter Decker, Vector Informatik GmbH, DE | **14:30 Lunch Break** | **14:30 Lunch Break** | **14:30 Lunch Break** |
| **15:00 Conductive Polymer Based Electromagnetic Wave Absorbing Structures**  
Dr Engin ACIKALIN, TUBITAK MARMARA RESEARCH CENTER, TR | **15:00 Lecture**  
Dr Bernhard Schmidt-Tedd, German Aerospace Center DLR - Head of Legal Support for Agency Affairs, DE | **15:00 A dual compression Ethernet camera solution for airborne applications**  
Stephen Willis, Curtiss-Wright, IE | **15:00 Lunch Break** | **15:00 Lunch Break** | **15:00 Lunch Break** |
| **15:10 High Volume and Affordable Aerospace Sealing and Shimming**  
Gerald Fleier, ViscoTec America - President/CEO, US | **15:10 Conductive Polymer Based Electromagnetic Wave Absorbing Structures**  
Dr Engin ACIKALIN, TUBITAK MARMARA RESEARCH CENTER, TR | **15:00 Lecture**  
Dr Bernhard Schmidt-Tedd, German Aerospace Center DLR - Head of Legal Support for Agency Affairs, DE | **15:00 A dual compression Ethernet camera solution for airborne applications**  
Stephen Willis, Curtiss-Wright, IE | **15:00 Lunch Break** | **15:00 Lunch Break** |
| **15:30 Lunch Break** | **15:30 Lunch Break** | **15:30 Lunch Break** | **15:30 Lunch Break** | **15:30 Lunch Break** | **15:30 Lunch Break** |
| **Composite Structures** | **AEROSPACE TESTING** | **Enabling Technologies** | **AEROSPACE AVIONICS** | **AEROSPACE AVIONICS** | **AEROSPACE AVIONICS** |
| **14:30 An Approach towards an Optimal Design of Composite Structures**  
Dr Barbara Goller, INTALES GmbH Engineering Solutions, AT | **14:30 NDT.VS.SHM for Composite Structures**  
Alfredo Guemes, UPm, ES | **14:30 Introduction to CAN FD**  
Peter Decker, Vector Informatik GmbH, DE | **14:30 Lunch Break** | **14:30 Lunch Break** | **14:30 Lunch Break** |
| **15:00 Conductive Polymer Based Electromagnetic Wave Absorbing Structures**  
Dr Engin ACIKALIN, TUBITAK MARMARA RESEARCH CENTER, TR | **15:00 Lecture**  
Dr Bernhard Schmidt-Tedd, German Aerospace Center DLR - Head of Legal Support for Agency Affairs, DE | **15:00 A dual compression Ethernet camera solution for airborne applications**  
Stephen Willis, Curtiss-Wright, IE | **15:00 Lunch Break** | **15:00 Lunch Break** | **15:00 Lunch Break** |
| **15:10 High Volume and Affordable Aerospace Sealing and Shimming**  
Gerald Fleier, ViscoTec America - President/CEO, US | **15:10 Conductive Polymer Based Electromagnetic Wave Absorbing Structures**  
Dr Engin ACIKALIN, TUBITAK MARMARA RESEARCH CENTER, TR | **15:00 Lecture**  
Dr Bernhard Schmidt-Tedd, German Aerospace Center DLR - Head of Legal Support for Agency Affairs, DE | **15:00 A dual compression Ethernet camera solution for airborne applications**  
Stephen Willis, Curtiss-Wright, IE | **15:00 Lunch Break** | **15:00 Lunch Break** |
| **15:30 Lunch Break** | **15:30 Lunch Break** | **15:30 Lunch Break** | **15:30 Lunch Break** | **15:30 Lunch Break** | **15:30 Lunch Break** |
| **Composite Structures** | **AEROSPACE TESTING** | **Enabling Technologies** | **AEROSPACE AVIONICS** | **AEROSPACE AVIONICS** | **AEROSPACE AVIONICS** |
| **14:30 An Approach towards an Optimal Design of Composite Structures**  
Dr Barbara Goller, INTALES GmbH Engineering Solutions, AT | **14:30 NDT.VS.SHM for Composite Structures**  
Alfredo Guemes, UPm, ES | **14:30 Introduction to CAN FD**  
Peter Decker, Vector Informatik GmbH, DE | **14:30 Lunch Break** | **14:30 Lunch Break** | **14:30 Lunch Break** |
| **15:00 Conductive Polymer Based Electromagnetic Wave Absorbing Structures**  
Dr Engin ACIKALIN, TUBITAK MARMARA RESEARCH CENTER, TR | **15:00 Lecture**  
Dr Bernhard Schmidt-Tedd, German Aerospace Center DLR - Head of Legal Support for Agency Affairs, DE | **15:00 A dual compression Ethernet camera solution for airborne applications**  
Stephen Willis, Curtiss-Wright, IE | **15:00 Lunch Break** | **15:00 Lunch Break** | **15:00 Lunch Break** |
| **15:10 High Volume and Affordable Aerospace Sealing and Shimming**  
Gerald Fleier, ViscoTec America - President/CEO, US | **15:10 Conductive Polymer Based Electromagnetic Wave Absorbing Structures**  
Dr Engin ACIKALIN, TUBITAK MARMARA RESEARCH CENTER, TR | **15:00 Lecture**  
Dr Bernhard Schmidt-Tedd, German Aerospace Center DLR - Head of Legal Support for Agency Affairs, DE | **15:00 A dual compression Ethernet camera solution for airborne applications**  
Stephen Willis, Curtiss-Wright, IE | **15:00 Lunch Break** | **15:00 Lunch Break** |
| **15:30 Lunch Break** | **15:30 Lunch Break** | **15:30 Lunch Break** | **15:30 Lunch Break** | **15:30 Lunch Break** | **15:30 Lunch Break** |
| **Composite Structures** | **AEROSPACE TESTING** | **Enabling Technologies** | **AEROSPACE AVIONICS** | **AEROSPACE AVIONICS** | **AEROSPACE AVIONICS** |
| **14:30 An Approach towards an Optimal Design of Composite Structures**  
Dr Barbara Goller, INTALES GmbH Engineering Solutions, AT | **14:30 NDT.VS.SHM for Composite Structures**  
Alfredo Guemes, UPm, ES | **14:30 Introduction to CAN FD**  
Peter Decker, Vector Informatik GmbH, DE | **14:30 Lunch Break** | **14:30 Lunch Break** | **14:30 Lunch Break** |
| **15:00 Conductive Polymer Based Electromagnetic Wave Absorbing Structures**  
Dr Engin ACIKALIN, TUBITAK MARMARA RESEARCH CENTER, TR | **15:00 Lecture**  
Dr Bernhard Schmidt-Tedd, German Aerospace Center DLR - Head of Legal Support for Agency Affairs, DE | **15:00 A dual compression Ethernet camera solution for airborne applications**  
Stephen Willis, Curtiss-Wright, IE | **15:00 Lunch Break** | **15:00 Lunch Break** | **15:00 Lunch Break** |
| **15:10 High Volume and Affordable Aerospace Sealing and Shimming**  
Gerald Fleier, ViscoTec America - President/CEO, US | **15:10 Conductive Polymer Based Electromagnetic Wave Absorbing Structures**  
Dr Engin ACIKALIN, TUBITAK MARMARA RESEARCH CENTER, TR | **15:00 Lecture**  
Dr Bernhard Schmidt-Tedd, German Aerospace Center DLR - Head of Legal Support for Agency Affairs, DE | **15:00 A dual compression Ethernet camera solution for airborne applications**  
Stephen Willis, Curtiss-Wright, IE | **15:00 Lunch Break** | **15:00 Lunch Break** |
## Congress Fees

<table>
<thead>
<tr>
<th>Registration</th>
<th>3 Days</th>
<th>2 Days</th>
<th>1 Day</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Early Bird</strong> until Sep. 15&lt;sup&gt;th&lt;/sup&gt;</td>
<td>€ 845.–</td>
<td>€ 695.–</td>
<td>€ 495.–</td>
</tr>
<tr>
<td><strong>Standard</strong></td>
<td>€ 995.–</td>
<td>€ 845.–</td>
<td>€ 585.–</td>
</tr>
<tr>
<td><strong>Governmental Institutions&lt;sup&gt;1&lt;/sup&gt;</strong></td>
<td>€ 299.–</td>
<td>€ 249.–</td>
<td>€ 199.–</td>
</tr>
<tr>
<td><strong>Students</strong></td>
<td>free</td>
<td>free</td>
<td>free</td>
</tr>
<tr>
<td><strong>Military Delegations in uniform</strong></td>
<td>free</td>
<td>free</td>
<td>free</td>
</tr>
<tr>
<td><strong>Exhibitors / Co-Exhibitors&lt;sup&gt;2&lt;/sup&gt;</strong></td>
<td>free</td>
<td>free</td>
<td>free</td>
</tr>
</tbody>
</table>

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. Congress fees include VAT.

1. i.e. Universities, Research Organizations, DLR, Fraunhofer, TNO, …

2. Each exhibitor / co-exhibitor receives one congress pass free of charge. Additional passes are subject to a 50% discount.

Entrance fee to the get-together evening on October 29<sup>th</sup> costs € 95.–

## Reduced Speakers’ Fees

<table>
<thead>
<tr>
<th>Registration</th>
<th>3 Days</th>
<th>2 Days</th>
<th>1 Day</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Speakers</strong></td>
<td>€ 495.–</td>
<td>€ 390.–</td>
<td>€ 345.–</td>
</tr>
<tr>
<td><strong>Governmental Institutions&lt;sup&gt;1&lt;/sup&gt;</strong></td>
<td>€ 199.–</td>
<td>€ 169.–</td>
<td>€ 149.–</td>
</tr>
</tbody>
</table>

Please note: Students’ rates do not apply for speakers. Congress fees include VAT.

## B2B-Meetings

**Procurement Manager / Buyers** free of charge

**Supply Chain Manager**

**Manager Research and Technology**

**Manager Development / Developers**

**Project Manager**

**Project Engineers**

**Sales Manager** exclusive to AIRTEC’s exhibitors

**Business Development Manager**

## Exhibition

<table>
<thead>
<tr>
<th>Service</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface rental starting at</td>
<td>€ 389 / sqm</td>
</tr>
<tr>
<td>min size 12 sqm</td>
<td></td>
</tr>
<tr>
<td>Ready installed systems</td>
<td>€ 116 / sqm</td>
</tr>
<tr>
<td>Type “Westend”</td>
<td></td>
</tr>
<tr>
<td>€ 136 / sqm</td>
<td>Type “Airport”</td>
</tr>
</tbody>
</table>

All Prices plus VAT