

Sessions

List of Workshops and Sessions organised in the frame of the 7th EASN International Conference

1) Quality Assurance of Materials

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Innovative Quality Assurance Concepts for Aircraft Structures

Chaired by Dr. Welch Cavalcanti & Dr. Kai Brune

Non-Destructive Testing in Aerospace

Chaired by Prof. Wieslaw Ostachowicz

NDT of composites

Chaired by Prof. Elena Jasiuniene

New Trends in Structural Health Monitoring of Aircraft

Chaired by Dr. Helge Pfeiffer

Innovative composite structure in aircraft design

Chaired by Prof. Maciej Bossak

2) Aircraft Design - Novel Trends

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Design Challenges for Future Passenger Aircraft

Chaired by Dr. Markus Fisher

Flight Control

Chaired by Prof. Tomasz Rogalski

Aeroelasticity & Unsteady Flows

Chaired by Prof. Zdobyslaw Goraj

Vibration Control

Chaired by Prof. Zbigniew Kulesza

Aircraft Components & Systems

Chaired by Dr. Mariusz Krawczyk

3) Multidisciplinary Design Optimisation

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Multi Disciplinary Optimisation

Chaired by Prof. Tomasz Goetzendorf-Grabowski

Small Aircraft Multidisciplinary Optimisation 1

Chaired by Dr. Andrzej Iwaniuk

Small Aircraft Multidisciplinary Optimisation 2

Chaired by Dr. Andrzej Majka

4) Power Generation - New Trends in Engine Design

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Design Challenges for Future Aero-Engines

Chaired by Prof. Witold Wisniowski & Dr. Pawel Stezycki

5) Innovation & Emerging Technologies In Aeronautical Materials & Structures

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Innovative Multifunctional Materials For Aeronautics

Chaired by Prof. Vincenzo Tucci & Prof. Liberata Guadagno

Characterization & Modeling Of Nanofilled Polymers & Composites

Chaired by Prof. Konstantinos Tserpes

Structural Aspects in Aircraft Design

Chaired by Mr. Alexander Shanygin

Impact Damage Formation on Aircraft Structures

Chaired by Dr. Kamila Kustron

Structural Simulation, Testing and Validation under Medium and High Strain Rates

Chaired by Prof. George Labeas

Important Fire Issues in Aviation

Chaired by Prof. Geoff Gibson

Structural Health Monitoring

Chaired by Prof. Dimitris Saravanos

Morphing aircraft structures/ Structural health monitoring in aerospace structures

Chaired by Prof. Yavuz Yaman

6) Fatigue of Aeronautical Materials & Structures

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Fatigue of Aeronautical Materials and Structures

Chaired by Prof. Spiros Pantelakis & Prof. Mario Guagliano

Fatigue of Aircraft Structures

Chaired by Dr. Antoni Niepokolczycki

7) Small Air Transport

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Safety in SAT

Chaired by Dr. Bartek Dziugiel

New Solutions and Technology Challenges in SAT

Chaired by Dr. Krzysztof Piwek

8) UAS/UAVs

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Future Challenges of Unmanned Aerial Systems

Chaired by Prof. Fulvia Quagliotti

Design Challenges for MALE class UAS

Chaired by Prof. Zdobyslaw Goraj

Aerial Monitoring and Surveillance of Polar Areas

Chaired by Prof. Mirosław Rodzewicz

Autonomy & Automation in UAS Systems

Chaired by Prof. Zdzisław Gosiewski

Modular Design Approach for Sensor's Containers

Chaired by Prof. Cezary Szczepanski

Flying Targets

Chaired by Prof. Ryszard Szczepanik

9) Electric Flight

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Electric Propulsion for Commercial Aircraft - Challenges & Opportunities

Chaired by Prof. Mike Benzakein

Hybrid - Electric Propulsion Technology

Chaired by Prof. Andreas Strohmayr

Distributed Propulsion and Boundary Layer Ingestion

Chaired by Prof. Mirko Hornung & Dr. Arne Seitz

10) Space Systems

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Space Physics

Chaired by Prof. Romana Ratkiewicz

Teledetection in Space

Chaired by Dr. Mariusz Kacprzak

Space Robotics

Chaired by Dr. Karol Seweryn

Rocket Motor Propulsion Systems Overview

Chaired by Dr. Pawel Surmacz

11) CFD - Challenges Related to Aircraft Analysis & Optimisation

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Modelling and Simulation of Flight Physics

Chaired by Prof. Shia-Hui Peng

Optimisation, Control and Robust Design in Aerodynamics

Chaired by Prof. Jacek Rokicki

12) European Research Programs & Initiatives related Sessions

Research within Future Sky

Chaired by Mr. Jozef Kaspar

Research within CleanSky

Chaired by TBD

**Support Actions for Coordinating Research in the Field of
Aeronautics & Air Transport**

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CATER Project (*Overview presentation*)

RINGO Project (*Dedicated session - Mr. Reiner Suikat*)

RADIAN Project (*Dedicated session - Mr. Gerhard Pauly*)

CAPPADOCIA Project (*Overview presentation*)

Chaired by Mrs. Irene Pantelaki

R&D Research in the Field of Aeronautics & Air Transport

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SARAH Project (*Overview presentation*)

ICARUS Project (*Overview presentation*)

FUCAM Project (*Overview presentation*)

EFFICOMP Project (*Dedicated session - Mr. Jacques Cinquin*)