

AITS Bremen Summit

23 February 2021

Draft conference programme

Introduction

- 09:00-09:05** Chairman's Welcome and Summit Commencement
Professor Rolf Henke, Aeronautics Co-ordinator, State of Bremen
- 09:05-09:15** Made in Bremen: Tradition Meets Innovation for Industry Success
Senator Kristina Vogt, Minister of Economic Affairs, Labour and Europe, City of Bremen
- 09:15-09:35** Future Industrial Systems in Aeronautics and Space
Gaby Soehner, Manufacturing Engineering Technologies Research & Development Engineer, Airbus Operations GmbH

Innovation and Technology: Facilitating Recovery and Driving Opportunity

- 09:35-10:10** Panel discussion: Recovery, Rebuilding and Growth Post-COVID 19
 - *Identifying strategic priorities post-Covid-19*
 - *Accelerating IoT and Digitisation for Increased Resilience*
 - *Mitigating future risks and capturing business opportunities*
Panel Moderator:
Dr Luigi Scatteia, Partner – Space Practice Leader, PwC Advisory
Panelists:
Yann Barboux, Chairman, Aerospace Valley
Efe Egborge, Global EHS Manager, Northrop Grumman Sperry Marine
Marcio Ferraresso, Supplier Integration Director, Mitsubishi Aircraft Corporation
Anna Kretz, Senior Supplier Development Specialist, Boeing Deutschland GmbH
- 10:10-10:30** Ariane 6 at the Cutting Edge of Technology Innovations
Dr Jens Lassmann, Flight Dynamics and Environment, ArianeGroup GmbH
- 10:30-10:50** ***Morning break***
- Session chair:** ***Siegfried Monser, Federal State Coordinator of Bremen Space Industry Sector***
- 10:50-11:10** Space Robotics & Autonomous Systems
Roland Sonsalla, Team Lead, Applied AI – Space, DFKI

- 11:10-11:30** AI in Space
Matthias Biniok, Leader MVP Team DACH, IBM
- 11:30-12:00** Additive Manufacturing Trends in Aerospace
Prof. Dr.-Ing. Jens Telgkamp, Professor of Production Technology/Additive Manufacturing, Hamburg University of Applied Sciences
Dr.-Ing. Christian Lindemann, Managing Director, Direct Manufacturing Research Center (DMRC)
- 12:00-12:20** Advantages of Additive Manufacturing in the Space Industry
Alex Weaner, AddWorks Design Manager, GE Additive
- 12:20-13:40** *Lunch break*

Sustainability and Technologies: The Road to Cleaner Skies

Session Chair: *Paul Adams, Director, Vendigital*

- 13:40-14:00** Shifting Perspectives on Value Creation in New Space
Alan Thompson, Head of Government Affairs, Skyrora
- 14:00-14:20** 3D Printing for more Efficient Design and Production Possibilities
Dr Thomas Bielefeld, Senior Expert Additive Manufacturing, Premium Aerotec
- 14:20-14:40** Combining Digital Developments and Innovative Technologies Towards a More Sustainable Future
Heiko Witte, Business Development Manager Digital, Rolls-Royce
- 14:40-15:00** What is the Future for Hydrogen in the Aviation Sector?
Julian Renz, Business Development & HyFlyer Project Management, ZeroAvia
- 15:00-15:40** Panel discussion: Planning for a More Electric World: A Critical Next Step for Aeronautics & Space
- Investing in electric and hybrid technologies to make commercial aviation more sustainable, safer and quieter
 - How is solar electric propulsion disrupting traditional spacecraft design, launch and operations?
 - Developing critical technologies to extend the capacity of new missions
 - How will electric power systems and architecture transform commercial aircraft?
- Panel moderator:**
Heiko Witte, Business Development Manager Digital, Rolls-Royce
- Panelists:**
Jeffrey Engler, CEO and Co-Founder, Wright Electric
Guido Schwartz, Strategy & Innovation Lead, Airbus Operations GmbH

Thorsten Groene, Managing Director & Co-Founder, Cevotec
Duncan Kerr, CEO, Aeristech

15:40-16:00 *Afternoon break*

Strengthening the Advanced Manufacturing Ecosystem

Session Chair: Aman Pannu, Vice President- Aerospace, Defense & Security, Frost & Sullivan

- 16:00-16:30** Panel discussion: Multi-Sector International Industry Collaboration to Inspire New Products
- Why is collaboration between industries important for driving growth?
 - How can partnerships between aviation and space sectors be successfully leveraged to promote new and innovative products and processes?
- Panel Moderator:**
Rohit Beri, Consulting Director - Aerospace & Defense, Frost & Sullivan
- Panelists:**
Guido Schwartz, Strategy & Innovation Lead, Airbus Operations GmbH
David Pile, Regional Director - UK, Europe and MENA, Northrop Grumman
Nikhil Sachdeva, Project Manager, Roland Berger
- 16:30-16:50** How Institutes and Industry Are Writing Success Stories Together
Christoph Doerr, Founder Innoteque Solutions and Director European Office Alabama Department of Commerce
- 16:50-17:10** ECOMAT – A Technological Milestone
Hubertus Lohner, Lead Techno Centre ECOMAT, Airbus Operations GmbH
- 17:10-17:25** Open Science and Aeronautics Research
Gerhard Pauly, Senior Scientist in Business Development, Fraunhofer Institute
- 17:25-18:00** Panel Discussion: Building the Research and Innovation Network of the Future
- How are international programmes addressing global challenges and European industrial competitiveness?
 - Cutting-edge R&D on the frontier of new concepts and solutions
 - Talent development as a strategic growth factor for industry
- Panel Moderator:**
Gerhard Pauly, Senior Scientist in Business Development, Fraunhofer Institute
- Panelists:**
Enrico Casale, Advanced Technology Operations – EU Programs & Research Network, Avio Aero

*Mateusz Lentner, Operations Manager, Delft Aerospace Rocketry
Engineering (DARE), Delft University*

*Natalia Lemarquis, Technical Project Manager, In-Space Missions Ltd, and
Space4Women Mentor*

18:00

Conference close

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