

Space up your Life – Thinking the future to act smart now

The INNOspace Masters Final Event 2024



INNOspace Masters Conference, 9 October 2024

Preliminary Programme

Conference, Exposition and opportunity to experience the **SPACEBUZZ.ONE** – a 15 minutes journey from Berlin to the moon and back

- 09:00 **Registration and Coffee Reception**
Networking, Exposition, SPACEBUZZ.ONE and facilities for bilateral discussions
- 09:30 **Welcome and Opening Remarks**
Dr Walther Pelzer, Member of DLR Executive Board, Director General German Space Agency
- 09:45 **Fueled by Human Imagination: How Science Fiction Shapes Tomorrow's Reality**
Nils Westerboer, Science Fiction-Author, Winner of German Science Fiction Price 2023
- 10:00 **DLR Challenge "Applied Research for Disruptive Innovation"**
Dr Walther Pelzer, Member of DLR Executive Board, Director General German Space Agency
Dr Franziska Zeitler, Head of Innovation & New Markets, German Space Agency at DLR
VibraVoid – Vibration Avoidance with Acoustic Black Holes in Spacecraft
StellarHeal – Innovative Wound Care for Space Wound Healing
AGREE – Avoiding Greenhouse Gas Emissions in Rare Earth Element Production
- 10:20 **Exceeding Limitations: A Dialogue on Extreme Human Achievement**
Dr Amelie Schoenenwald, Member of the ESA Astronaut Reserve
Anne-Marie Flammersfeld, Ultra-Endurance Athlete & Record Holder

Moderation: Claus Kruesken
- 10:55 **Mercedes-Benz Car2Space Challenge "Space up your Drive"**
Dr Ulf Zillig, Vice President Group Research, Sustainability and RD Functions, Mercedes-Benz AG
BlackSky - Managing supply chain and infrastructure with EO data
STELLAR TC SAS - Ubiquitous broadband connectivity on the move
Hubble Network - Bluetooth to Space

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11:20	Break		
11:35	Decentral Agenda Items #1: Thematic Forums (A, B) or Networking (Option C)		
	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>(A) Space2Health – Innovation at the Intersection of the Space and Health Sector</p> <p>Impulses by: Dr Amelie Schoenenwald, Member of the ESA Astronaut Reserve Vanja Sebastian Zander, Project Lead INNOspace Space2Health Network</p> </td> <td style="width: 50%; vertical-align: top;"> <p>(B) The next wave of Innovation - Artificial Intelligence for Space</p> <p>Impulses by: Dr Markus Moeller, Member of the Executive Board, OHB SE Dominik Multhaupt, Executive Director Public, IBM iX</p> </td> </tr> </table>	<p>(A) Space2Health – Innovation at the Intersection of the Space and Health Sector</p> <p>Impulses by: Dr Amelie Schoenenwald, Member of the ESA Astronaut Reserve Vanja Sebastian Zander, Project Lead INNOspace Space2Health Network</p>	<p>(B) The next wave of Innovation - Artificial Intelligence for Space</p> <p>Impulses by: Dr Markus Moeller, Member of the Executive Board, OHB SE Dominik Multhaupt, Executive Director Public, IBM iX</p>
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12:15	Lunch Break & Networking		
13:10	<p>Accelerating Commercialization: Shaping Europe's New Space Economy Geraldine Naja, Director for Commercialization, Industry and Competitiveness, ESA</p>		
13:25	<p>ESA BIC Challenge “Join the New Space Economy” Dr Andreas Kanstein, Managing Director, Centre of Satellite Navigation Hesse (cesah) Thorsten Rudolph, Managing Director, AZO Anwendungszentrum GmbH Oberpfaffenhofen <i>Agrario Energy - A platform for site assessment and marketing of properties for renewable energy</i> <i>QuSSat</i> <i>Helios LITE - a first thruster model basing on the two-stage ionization concept of Helios</i></p>		
13:45	<p>Panel Discussion The Role of Technology in Exceeding Human Limitations and Frontiers</p> <p>Dr Walther Pelzer, Member of the DLR Executive Board, DG German Space Agency Geraldine Naja, Director for Commercialization, Industry and Competitiveness, ESA Dr Marc Steckling, Head of Earth Observation, Science & Exploration, Airbus Defence and Space Dr Markus Moeller, Member of the Executive Board, OHB SE Dr Ulf Zillig, Vice President Group Research, Sustainability and RD Functions, Mercedes-Benz AG</p> <p>Moderation: Claus Kruesken</p>		
14:25	<p>OHB Challenge “Shape Space for a better Future” Dr Markus Moeller, Member of the Executive Board, OHB SE <i>EcoOrbit: Sustainable Satellite Solutions</i> <i>Spherical</i> <i>RegOne - A lunar regolith transportation system</i></p>		

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14:45	Break into		
14:50	Decentral Agenda Items #2: Thematic Forums (A, B) or Networking (Option C)		
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15:30	Followed by Coffee Break		
15:55	<p>Space-based Futures and their Implications for Society: Opportunities, Challenges and Responsibilities in a Globalized World</p> <p>Prof Dr Ingrid Ott, Chair of Economic Policy, Karlsruhe Institute of Technology</p>		
16:10	<p>Airbus Challenge “Boosting responsible Commercialisation of Space”</p> <p>Dr Marc Steckling, Head of Earth Observation, Science & Exploration, Airbus Defence and Space <i>eClypse: Intrusion Detection for Space</i> <i>Very High Resolution from Low-Cost Satellite</i> <i>Miura Nexus: Connecting Efficiency with Physics Forecasting</i></p>		
16:30	<p>ESA Business Applications Challenge “Space for every Industry”</p> <p>Dr Rita Rinaldo, Head of Applications Projects & Studies Division, ESA <i>Harnessing Animals Intelligence from Space</i> <i>VitalFusion: Blending Health and Climate Data</i> <i>Biodiversity Monitoring with Satellites and IoT Sensors</i></p>		
16:50	<p>Looking beyond the Horizon - INNOspace Masters 2025</p> <p>Dr Franziska Zeitler, Head of Innovation & New Markets, German Space Agency at DLR Janusz Heitmann, Project Lead INNOspace Masters, German Space Agency at DLR</p>		
17:00	<p>Closing Keynote & Awarding of Overall Winner INNOspace Masters 2024</p> <p>Dr Anna Christmann, Federal Government Coordinator of German Aerospace Policy Dr Walther Pelzer, Member of the DLR Executive Board, Director General German Space Agency</p>		
17:15-18:30	Press Photos, Open Networking and SPACEBUZZ.ONE		