

Ein Herzliches Grüß Gott and A warm welcome to everybody here in this exciting Museum of Deutsche Bahn German Railway. It is more than honor to have with us **Excellency Minister Joachim Herrmann** We all give him a warm hand also the second International Airship Conference had been initiated by **Prof Christoph Pflaum FAU University Erlg Nbg**. You will find worldwide very few airship conferences says Alexandra Mehnert Member of European Parliament + European Committee on Transport + Tourism represented by **Alice Jacobi** just arrived from Brussels. Among the TOP 100 best ranking worldwide is Friedrich Alexander University FAU Nürnberg Erlangen We enjoy today the **Dean of Technical Faculty FAU Prof Kai Willner**. One of its kind you will say after what we hear + see from host **Director Dr Rainer Mertens**. He will let us have a look around in the Museum of Deutsche Bahn after the panel. Today we would like to look up in the sky of **San Fransico Bay**. There we would see the sensational huge Airship in from **US LTA Research. CEO Brett Cozier** dedicated his virgin flight to this International Airship Conference as Sponsor. This is a very special thanks by each one of us to him. First day started in the **Energy Campus Nuernberg** we could listen to

1 Economic Aspects of Airships Carlo **Riboldi Politenico di Milano** from our good neighbor country Italy. 2 Airships for Mining Critical Minerals by Barry **Prentice, University Manitoba Canada**. 3 The Development of Electric Version of the AS 7000 Airship by **Lei Zhou AVIC from China** nihow ma. 4 Atlas Electric Airships by Gennadiy Very, **Atlas Technology the Holy Land** shalom shalom. 5 Energy efficiency of airship + airplanes by **Nathananael West from Great Britain**. 6 Analyzing Historical Data+Conducting Regression Analysis **Alexander Richter TU Berlin**. 7 Introduction to Virtual Reality of Rigid Airship by **Prof Gerd Hirzinger TU Munich DLR German Aviation** Aerospace, celebretiy in this field. 8 Solar Airships What Price? asked **Spencer Horne South Africa**. 9 Airship Drones –Environmental Robustness of Unmanned Airships by Daniel Wibbing **Roboloona spinoff from TU Stuttgart**. 10 **Hylight Drone** Video Show by Josef Rokusek Bienvenue **Paris France**. 11 What would all be without Sponsor who speaks about Propellor Pitch Actuation from Actuators & Drives **Piers Olsen, from England**, the cradle of a lot of key technologies. 12 Cryogenic Power Electronics +superconduction Aircraft Powertrains, Christian **Bentheimer from Fraunhofer IISB Erlg** 13 IPROP Pioniering Ionic Propulsion for next generation stratospheric Airship **Raffaello Ternzi, Politenico di Milano Italy**. 14 Poster session Moderator Prof **Barry Prentice also from Canada**. 15 Innovative sustainable air travel from **Miguel Michael Frank University Aruba Venezuela**, Benvenido que bueno que estes aqui. 16 Simulation Algorithm for Route Optimization of Airships Niklas Heidenreich FAU outstanding. 17 . Design Concept of a solar powered airship for long distance travel Manual Müller GH Joanneum Graz from Happy Austria.

18 History+ plan of the association Initiative, Leichter als Luft e V Andreas Werner Dresden courageous Saxonia. 19 Helium Assisted UAV for Precision Agriculture from Pruthvi Kapoor, University Hull Yorkshire England. Tomorrow we cant to hear about **large airships**. 20 VLMS onboard airships for scene understanding in a wildfire context Simon Gehringer Fraunhofer **Evolonic FAU Erlg.** 21 Influence of Clouds to Solar Powered Large airships **Prof Christoph Pflaum FAU.** 22 Conceptual sizing + environmental assessment of rigid cargo airship by **Prof Rajkumar Pant ITT Mumbai, India-** a rising star 23 Contribution of solar energy to the global information energy system of a cargo airship by Directeur scientifique **CSO Sylvain Allano of Flying whales Paris France.** 24 Safety regulation + incentives for Airship Technology in Europe Moderator **Robin Deransy Head of Unit Eurocontrol** innovation Hub Paris. 25 New Airship Technology challenges + opportunities in the evolving regulatory context for airships in **Europe Frank Neumann IMIEU** Institute for Infrastructure, Environment Innovation Brussels. 26 Venture Debt as Growth Capital in the Life cycle of a company Piotr Michalowski CFA Equity+Venture Debt, EIB European Investment Bank Luxembourg. 27 Future development of the European Drone Regulation+IATA Technology **Natale Di Rubbo Project Manager Drones EASA** European Union Aviation Safety Agency **Cologne.** 28 Airship Drones H2 vs Helium as a lifting gas Patrick **Hendrick Universite Libre de Bruxelles.** 29 Safety Aspect for unmanned Airships Udo Berthold MITEB GmbH Saxonia. 30 Regulatory +risk considerations regarding the integration of low altitude LTS Platforms in the specific operations risk assessment SORS Josef Rokusek+ **Lius Bouenger Head of Certification Hylight Aero Paris France.** 31 AEF BVLOS Flight Test Field **Aero Lausitz** to realize new Advanced air mobility strategies until 2032, Axel Schober +Florian Helm AEF Aero Innovation Airport **Kamenz.**32 Light weight solar modules implementing advanced polymer material+solar cell Benedicte Bonnet Eymard CSEM **Neufchatel CH.** 33 Bespoke solar arrays in mobile applications past achievements current development future goals **Oliver Gochermann Solar Technology Wedel Hamburg.** 34 Powering the skies Roll to Roll Perovskite Solar for the next Generation of Airships by Naveen Bastian **Waduge, Helmholtz Institute Erlg Renewable Energy.** 35 **Drone Airships** for Wildfire detection + prevention Ross Prentice BASI Toronto **Canada.** Research Platform Airship Hannah **Reindle TU Munich.** 36 Highlight tour on Zeppelinfeld Prof Thomas Weber University of Aberdeen England guiding us.