

09:00 - 10:00

Registration & Breakfast

10:00 - 11:00

Welcome Address

Petra Bohuslav

State Minister of Lower Austria, representing Governor Johanna Mikl-Leitner

Ingolf Schädler

Deputy Director General for Innovation at the Austrian Ministry for Transport, Innovation and Technology (BMVIT)

Klaus Pseiner

Managing Director of the Austrian Research Promotion Agency

Michael Klosterer

representing Mayor of Wiener Neustadt Klaus Schneeberger

Student Competition Awards

presented by Carsten Scharlemann, Department Head Aerospace Engineering FHWN

11:00 - 12:00

Keynotes MANUFACTURING

Sebastian Schlund, University Professor, TU Wien

Manufacturing across Industries. Similarities and differences between various producing industries

Chester Gillmore, Vice President of Manufacturing, Planet

How to build and launch more than 200 operational satellites in less than 2 years

Erhard Prechelmacher, General Manager Thermal and Mechanical, RUAG, Austria

High Performance Thermal Insulation for New Space

12:00 - 14:00

MANUFACTURING Presentations / B2B Meetings

Alexander Reissner, CEO, ENPULSION, Austria

Scale meets Space Technology. The pull and push between reliability, cost and scale

Martin Schwentenwein, Head of Material Development, Lithoz, Austria

New ALM for ceramics

Peter Beck, Head Radiation Hardness Assurance and Space Weather, Seibersdorf Laboratories, Austria

Accredited Space Related Activities at Seibersdorf Laboratories

Markus Hatzenbichler, Team leader 'TEC Space – Advanced Manufacturing', FOTEC, Austria

Metal Additive Manufacturing for Next Generation Platform (NeoSat)

Andreas Merstallinger, AAC, Austria

Testing in Manufacturing - Qualification of new Processes and Materials for use in Space

Erich Neubauer, AT Space, Austria

From prototypes to „mass“ production for space applications

Barbara Imhof, LIQUIFER, Austria

Manufacturing of tomorrow: Using on site materials to build habitats

14:00 - 15:00

Buffet Lunch / Exhibition

15:00 - 16:00

Keynotes NEW TECHNOLOGIES

Magali Vaissiere, Director of Telecommunications and Integrated Applications, ESA

ESA's perspective on New Technologies and their impact on the telecommunication industry

Rafal Modrzewski, CEO and Founder, ICEYE

The introduction and impact of New Technologies from the perspective of a European start-up

16:00 - 17:45

NEW TECHNOLOGIES Presentations / B2B Meetings

Otto Koudelka, Head of Institute of Communication Networks and Satellite Communications, TU Graz, Austria

The OPS-SAT and PRETTY Nanosatellite Missions

Jakub Stelmachowski, Product Development Manager, Astronika, Poland

InSight Hammering Mechanism as an example of custom scientific instrument

Mihail BOȚAN, Materials Department, I.N.C.A.S., Romania

Development and manufacturing of Advanced Thermal Protection Systems and evaluation by quick thermal shock testing and microstructure characterization

Carsten Scharlemann, Head of Aerospace Engineering Department, University of Applied Sciences

Peter Beck, Head Radiation Hardness Assurance and Space Weather, Seibersdorf Laboratories, Austria

CLIMB: A nanosatellite mission to the Van Allen Belt

Tomaz Rotovnik, CEO, SkyLabs, Slovenia

Avionics for emerging space market, Powered by PicoSkyFT Technology

Matthias Mäke-Kail, TTTech Computertechnik AG, Hi-Tech Business Development Manager, Austria

Use of Ethernet in Space Applications and the Deep Space Gateway

Jürgen Seybold, CEO, TeleConsult Austria GmbH, Austria

GNSS technologies and services for the benefit of our society

David Krejci, ENPULSION, Austria

In-orbit demonstration of IFM Thruster

Christoph Buchner, Team leader Energy Systems, FOTEC, Austria

Propulsion and Energy Technology Development at FOTEC

Martin Langer, Chair of Astronautics, TU Munich, Germany

MOVE-II – Flying Novel Satellite Technology on a CubeSat Mission

Michael Schmidt, Joanneum Research Graz, Austria

Use of EHF frequency bands in satellite communications

Hans Martin Steiner, CTO, ATOS, Austria

univerSAS – Industry's most compact and multifunction satellite power testing system

18:00 - 19:30

Side Event

Inauguration cocktail at the ENPULSION production facilities

19:30 - 22:30

Networking-Dinner

Dinner in the aviation museum "Aviaticum" Wiener Neustadt

09:00 - 10:20

Keynotes BIG DATA

Josef Aschbacher, Director of Earth Observation Programmes, ESA
ESA Earth Observation - Driving Innovation

Florian Pappenberger, Director of Forecasts, ECMWF
Fusing Big Data and HPC to Improve Global Weather Forecasting

Yves Buhler, Research Director, EUMETSAT
*The journey towards Big Data and Digitalisation:
The case of EUMETSAT*

Erwin Goor, Project Manager and Business Developer, VITO
Proba-V Mission Exploitation Platform as a Node in a European Federation of Platforms: the Belgian Perspective

10:20 - 12:15

BIG DATA Presentations / B2B Meetings

Grega Milcinski, Sinergise, Slovenia
Sentinel Hub - Empowering EO Developers with Seamless Access to Big Data

Christian Briese, EO Data Centre and University of Technology Vienna, Austria
EODC - Collaboration in Earth Observation

Marc Ferrer, Global Account Executive - Space, Atos, France
The Mundi Copernicus Data and Information Access Services

Thomas Nagler, ENVEO, Austria
Global Monitoring of the Cryosphere Using Sentinel Satellite Data

Stefano Natali, Managing Director Sistema, Austria
eodataservice: a Data Cube Platform to Support Thematic Exploitation of Copernicus Data

Stephan Meissl, CTO, EOX IT Services, Austria
Services on Big EO Data - an Austrian Industry Perspective

Christian Hoffmann, CEO, GeoVille, Austria
Copernicus Land Monitoring in Action

Lukas Brodsky, Mapradix Geosystems, Czech Republic
Czech National Land Monitoring Services in the Era of Big Data from Space

12:00 - 13:00

Buffet Lunch / Exhibition

13:00 - 14:00

Keynotes SCIENCE

Mark McCaughrean, Senior Scientific Advisor, Directorate of Science and Robotic Exploration, ESA
Europeans: Once explorers, always explorers

Willy Benz, University of Bern, CHEOPS Consortium Principal Investigator
The CHEOPS Mission: Goals and challenges

14:00 - 16:00

SCIENCE Presentations / B2B Meetings

Werner Magnes, Deputy Director, Space Research Institute of the Austrian Academy of Sciences, Austria
The Graz Space Research Institute: Current and Future Challenges

Georg Kirchner, Space Research Institute of the Austrian Academy of Sciences, Austria
Satellite Laser Ranging in Graz: Achievements and Advanced Applications

Franz Kerschbaum, Department of Astrophysics Vienna, University of Vienna, Austria
New approaches in stellar evolution

Werner Weiss, Department of Astrophysics Vienna, University of Vienna, Austria
The science leading to BRITE and beyond

Astrid Veronig, Institute of Physics, University of Graz, Austria
Space Weather Activities of the University of Graz within ESA's SSA program and contributions to Solar Orbiter

Rupert Ursin, Deputy Director, IQOQI, Austrian Academy of Sciences, Austria
Quantum technologies for space, current status and future prospects

Gerhard Paar, JOANNEUM RESEARCH, DIGITAL Institute, Austria
Three dimensional (3D) vision processing for planetary robotic missions

Jan Souček, Deputy Head of the Department, Institute of Atmospheric Physics, Czech Academy of Sciences, Czech Republic
Plasma wave instruments for future space missions

14:00-17:00

Side Event

ESNC in Conference Room K5, 5th floor: Number of participants limited to max 20 persons.
Separate registration required at FFG contact point: First come, first served.

16:00 - 17:00

Exhibition