

20.04.

- 10:00 - 10:20 Opening by **Ilze Indriksons** (EM), **Kaspars Rožkalns** (LIAA) and **Geraldine Naja** (ESA)
 10:20 - 10:40 Super-Entrepreneurship to Shape a Better World | **Fabrice Testa**, Serial Tech Entrepreneur
 10:40 - 11:00 From Deep Tech to Deep Space: The Future of the Space Economy | **Raphael Roettgen**, Founder of E2MC Ventures; Co-founder of Prometheus Life Technologies
 11:00 - 11:20 EU Funds & Investments | **Prof. Zohar Ben-Asher**
 11:20 - 11:50 How to start commercialization if you are not business people? | **Ella Kalnina**, **Simona Rataj**, Ph.D. **Andris Anspoks**, **Dóra Marosvölgyi**, **Kristaps Jaudzems**
 11:50 - 12:00 Deep-Tech Future in The Metacity | **Madara Kalniņa - Kalnmaile**
 12:00 - 12:10 Welcome to Deep Tech | Commercialization Reactor | **Anton Adamovitch**
 12:10 - 12:15 Building dual-use deep tech ecosystem with NATO | **Zoe Stanley - Lockman**

Scientific excellence
into market **success**

Deep stage	Space stage	NOP Industrial stage	NOP Academic stage	Growht stage
13:00 Importance of Deep Tech: Academy Tālis Juhna	13:00 ESA Director General Opening Speech Josef Aschbacher	13:00 Innovative fused end fiber bundle technology for high-brightness, irregular beam profiles Kalvis Alps	13:00 Fiber lasers: harnessing the power of light Dr. Regina Gumenyuk	13:00 Opening by Labsoflatvia.com Julia Gifford
13:05 Startup Demo Pitches Industrial Tech & New Materials	13:05 Space for industry Pauls Irbins	13:20 From inertial navigation to optical communication links in space Dr. Clément Guyot	13:25 Manufacturing and testing of all-silica fibers resistant to UV and Gamma radiation Andrejs Griscenko	13:05 Pathways to impact - why should scientists communicate and which formats are available? Arko Orlesk
14:10 Creating YOUR Deep Tech Startup from scratch. How it works? Ilona Gulchak , Anton Adamovitch , Dr. Nikolaos Georgopoulos , Aline Santa Izabel , Arnis Pūciņš , Matej Peretin	13:10 Earth Paradigma in Zero Gravity: Success, Time and Nations as Understood in Space Elad Sagi	13:40 Why fiber lasers has disrupted quantum optics Asger Jensen	13:40 What are specialty fibers and how do they make an impact in industrial sensing Åsa Claesson	13:50 Increasing Impact - How to Communicate Science to Non-expert Tobias Maier
14:40 <i>Break</i>	13:20 Sustainable Space Economy for the Future Timo Mustonen	14:00 Fiber Bragg grating based solutions to industrial problems Ph.D. Krister Fröjdh	14:05 Bio-based optical fibers: Environmental sensing and short-range communication Jani Patrakka	14:30 <i>Break</i>
15:10 Importance of Deep Tech: Government Raimonds Lapiņš	13:30 Space for ICT: Quantum for Next Generation Communications László Bacsárdi	14:20 <i>Break & Poster Session</i>	14:20 <i>Break & Poster Session</i>	15:00 How to communicate with media Krista Krūmiņa
15:20 Panel: Overcoming the "Valley of Death" specifically for Deep Tech. Government strategies and steps to support emerging Deep-Tech Startups Peter Mogyorosy , Sigrid Rajalo , Marko Koski , Anton Adamovitch , Raimonds Lapiņš	13:40 Business & Finance Diana Lapkis , Pauls Irbins	15:00 New application for optical fibers outside of optical communication Ph.D. Krister Fröjdh , Dr. Regina Gumenyuk , Kalvis Alps , Dr. Clément Guyot	15:00 New application for optical fibers outside of optical communication Ph.D. Krister Fröjdh , Dr. Regina Gumenyuk , Kalvis Alps , Dr. Clément Guyot	15:35 Enabling enthusiasts to become ambassadors of your research Mikelis Grivins
15:50 Building Deep-tech Ventures to Solve Our Society Challenges Lars Frolund	13:43 ESA Support & ESA Programms Stephen Airey	15:40 Security (re)design Evijs Taube	15:40 Poster Session & Networking break	16:15 Writing Science for Your Audience Miranda Vinay
16:00 VCs and CVCs Helping Creating Value in Deep tech Startups Ilona Gulchak , Lars Frolund , Bernhard Munzig , Szymon Kwiatkowski , Lars Boehnisch	14:00 European Innovation Council (EIC) in NewSpace & EIC Funding Stella Tkatchova	16:00 Poster Session & Networking break		17:00 Maximize the impact of your research Martins Zaumanis
16:30 Startup Demo Pitches Biotech, Medical & Health Tech	14:10 National Support Programmes for Space Change of Space Procurement Approaches Pieter van Beekhuizen			
	14:20 <i>Break</i>			
	14:40 The Private Space Market and Review of Israeli Technologies Maya Schwartz			
	15:00 Thales Alenia Space Challenges & Cooperation Opportunities Freddy Geyer			
	15:15 Discussion: Attracting Investment to Space Industry Pauls Irbins , Stephen Airey , Maya Schwartz , Stella Tkatchova , Mārtiņš Bičevskis , Pieter van Beekhuizen			
	15:35 Baltic Space Sector Showcases Paus Irbins			
	16:30 Astrolight Success Story & Key Learnings Laurynas Mačiulis			
	16:35 Lightcode Photonics Success Story & Key Learnings Jan Bogdanov			
	16:45 Act in Space - The Idea & Further Plans Monika Aija Vainiņa			
	16:55 Case Studies of Satellite Imagery Applications in Forestry, Agriculture, Utilities and Municipalities Ilze Bargā			
	17:00 Space Grade Fiber Optical Gyroscopes and Systems Yury Korkishko			
	17:05 Earth Observation Data Based Innovations Dainis Jakovels			
	17:10 Development of Radiation Hardened Integrated Circuits for ESA Space Missions Levs Lapkis			
	17:15 Space Altimeter for HERA asteroid study mission Adam Adamovitch			
	17:25 New Technologies for Spacecraft Thermal Control & Propulsion Donatas Mishkinis			

Deep stage

- 10:00 Plug and Play Japan & Commercialization Reactor: Next Level Deep-tech | **Masahiro Morizumi; Ilona Gulchak; Ferdinand Bartels**
- 11:30 Importance of Deep Tech: Industry | **Ilmārs Osmanis**
- 11:35 Panel: Deep-Tech - The Journey of Self-Growth for Mission-Driven People | **Liene Briede; Anton Adamovitch; Verneris Vālimaa; Rein Lamberpuu; Erick Pastor; Marcel Gasser**
- 12:05 Clean Hydrogen | **Pēteris Lesničenoks**
- 12:15 *Break*
- 13:00 Panel: HydrogenNow – What Baltics Can Do | **Kaspars Liepiņš; Sven Parkel; Dr. Šarūnas Varnagiris; Pēteris Lesničenoks; Ivars Pinkulis**
- 13:30 Startup Demo Pitches | Environment, Energy & Circular Economy
- 15:10 Promoting the Longevity Biotech Ecosystem Internationally | **Ilia Stambler**
- 15:30 Baltics - the next Cleantech powerhouse | **Imants Martinsons**
- 15:40 How can a deep-tech start-up prepare for the scale-up stage? | **Ilona Gulchak; Oliver Hasse; Lauren Covetta; Alessandra Scotti**
- 16:10 Startup Demo Pitches | Space, Computing & Electronics
- 17:00 Closing

Space stage

- 10:00 Session intro: Space Law | **Kristaps Banga**
- 10:05 Space Law: Putting in Place Common Rules on Safety, Security & Space Sustainability | **Gustavs Zilgalvis**
- 10:15 Discussion: Latvia is looking into ways to define the national space law concept | **Prof. Dr. Mahulena Hofmann; Paul Liias; Gustavs Zilgalvis; Kristaps Banga; Nikolai Adamovitch**
- 11:20 ESA BIC Estonia: From Zero to Space Heroes | **Andrus Kurvits**
- 11:35 Lithuania's ESA BIC Road Map | **Geda Daškevičiūtė-Lazauskienė**
- 11:45 ESA BIC Latvia - Concept, Status Quo & Aspirations | **Angelina Bekasova**
- 11:55 Panel discussion: What's in for Start-ups in ESA BICs? | **Angelina Bekasova; Andrus Kurvits; Geda Daškevičiūtė-Lazauskienė; Andrejs Berdņikovs**
- 12:15 *Break*
- 13:00 Reach for the Stars - Astrophotography | **David "Deddy" Dayag**
- 13:30 Space for Bioeconomy: Earth Observation to Protect Earth's Health | **Gordon Campbell**
- 13:45 Space for Engineering & Optics: Bringing Industries Together to Observe the Earth | **Tali Arava Bachar**
- 14:00 Space for Engineering: ESA from Europe to the Moon: Europe and Latvia at the Moon Orbiting Station Lunar Gateway | **Luca Stagnaro**
- 14:15 Space for Biomed: MELiSSA Project | **Sandra Ortega Ugalde**
- 14:30 *Break*
- 15:00 Space as a Gateway to New STEM Human Capital | **Anton Pozdnyakov**
- 15:05 STEM: Human Capital Development via Space, Career Opportunities | **Frank Danesy**
- 15:20 Career Opportunities within the EU Space Programme | **Sjurdur Djurhuus**
- 15:30 How to Become a Space Nation via Education | **Eyal Ben-Ze'ev**
- 15:40 Inspiration for Education and Careers in Space Industry | **Anna Grinberg**
- 15:50 Discussion: What Does it Take to Educate & Keep Young Professionals in their Homeland? | **Elina Gaile-Sarkane; Eyal Ben-Ze'ev; Frank Danesy; Anais van Wynsberghe; Pauls Irbins; Anna Andersone**
- 17:00 Closing

NOP Industrial stage

- 10:00 Exploring the Future of Photonic Technology: Innovation, Application, and Nanomaterials | **Oskars Teikmanis; Ph.D. Arturs Bundulis; Ph.D. Julien Zichi; Ph.D. Hannah Joyce**
- 10:40 *Break*
- 10:55 Novel approach to Ammonia detection | **Valters Slava**
- 11:15 CMOS LIDAR for Space Exploration | **Ph.D. Anders H. Hansen**
- 11:35 Optical Measurement Technologies for Weather Monitoring Applications | **Ph. D Grant Aivazian**
- 11:55 How Hamamatsu enables novel optical gas sensing applications | **Ph.D. Julien Zichi**
- 13:00 Imaging for displays and augmented reality - Quo vadis? | **Ph.D. Ainars Ozols**
- 13:20 Imaging Sensors of Modern Battlefield | **Juha Falck**
- 13:40 Optical motion capture technology | **Fredrik Müller**
- 14:00 Novel optical concept for pre-operative assessment of multifocal intraocular lenses | **Bernhard Nußbaumer**
- 14:20 The beauty of imaging - a wide range of applications | **Ph.D. Ainars Ozols; Bernhard Nußbaumer; Fredrik Müller; Kim Grundstrom**
- 15:10 Best Poster Awards | Nordic Photonics and Electronics Forum | **Ph.D. Andris Anspoks; Ph.D. Caroline Amiot; Dr.Lennart B.M. Svensson; Ph.D. Cord Arnold; Valters Jekabsons**
- 17:00 Closing

NOP Academic stage

- 10:00 Exploring the Future of Photonic Technology: Innovation, Application, and Nanomaterials | **Oskars Teikmanis; Ph.D. Arturs Bundulis; Ph.D. Julien Zichi; Ph.D. Hannah Joyce**
- 10:40 *Break*
- 10:55 Biophotonic techniques for rare disease diagnostics and evaluation of antibacterial resistance | **Emilija Vija Plorina**
- 11:20 A portable sub-ns pulsed MIR laser source for sensing | **Max Widarsson**
- 11:35 Semiconductor nanowires for optoelectronics | **Ph.D. Hannah Joyce**
- 12:00 Polymer Photonic Platform: application centered photonic platform | **Ph.D. Arturs Bundulis**
- 13:00 Fundamentals of photonic quantum technologies | **Ph.D. Vyacheslavs Kashcheyevs**
- 13:25 Vector magnetometer based on NV centers in diamond | **Reinis Lazda**
- 13:40 Quantum Photonics using Structured Photons | **Robert Fickler**
- 14:05 Quantum applications with diamond needles | **Mariam Quarshie**
- 13:20 Panel discussion - Quantum | **Ph.D. Vyacheslavs Kashcheyevs; Reinis Lazda; Robert Fickler; Andis Supe**
- 15:10 Best Poster Awards | Nordic Photonics and Electronics Forum | **Ph.D. Andris Anspoks; Ph.D. Caroline Amiot; Dr.Lennart B.M. Svensson; Ph.D. Cord Arnold; Valters Jekabsons**
- 17:00 Closing

Growht stage

- 11:00 Opening remarks Norway Grants | **Ine Måreng; Kaspars Rožkalns; Magnar Ødelien**
- 11:20 Progamme Business Development address | **Laura Štrovalde**
- 11:30 Technology Business center – a way to your own technology company | **Andrejs Berdņikovs; Viesturs Sosārs; Vanda Voikiva**
- 12:00 *Break*
- 13:00 From Idea to the Product (Workshop) | **Anders Mellberg**
- 13:15 Project Stories & Videos 1 | **Aigars Lauzis (BeTRITON); Juris Vencels (Trafolo); Armands Jurjevs (ABLabs); Anete Grosberga (ForQueenBee); Sandris Mūriņš (entrepreneur); Jānis Upmanis (getUgo); Deniss Gradalevs (sound engineer & musician); Linda Zeltiņa (VIZULO)**
- 15:00 Project Stories & Videos 2 | **Ph.D Kaspars Grinbergs (Industrial Engineering); Richard Fomrats (Vanilla travel); Gundars Rusovs (REHAD); Janis Olins (CastPrint)**
- 15:55 Panel discussion: Innovations within Norway Grants accelerate the path to the Green Deal | **Magnar Ødelien, Ph.D Kaspars Grinbergs, Viesturs Sosārs, Dr. Daniel Bengtsson Blücher**
- 17:00 Closing

Side Events

- Panel discussion: Navigating the Complexities of Intellectual Property Protection for Entrepreneurs | **Ieva Zvejsalniece; Māra Rozenblate; Mārtiņš Kokalis; Toms Slapjums**
- EIC Accelerator proposal writing master class at conference room Sigma | **Silver Toomla**
- Accelerating Your Path to Market: Strategies for Deep Tech Start-ups at room Gamma | **Rolands Ozolins; Andrejs Juscenko**
- Baltic Session on EIC Pathfinder and Transition challenges | **Liene Briede; Stella Tkatchova**
- Biotech Breakfast by Biocatalyst Foundation | **Andrii Shekhirev; Igors Berkovics; Tālis Juhna; Rolando Delgado**
- Horizon Europe Survival Kit: how to navigate through the European funding opportunities? | **Marija Plotniece, Dr.sc.ing. Jūlija Asmuss, Liene Ekša**
- Gain clarity to solve your most urgent challenges - Mastermind group session | **Farhad Ansis Lipenitis**
- From Idea to the Product (Workshop) | **Anders Mellberg**

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