

DAY 1

EARTH EXPLORATION & AUTONOMOUS SYSTEMS

26 October 2026 | Autonomous technologies across land, sea and air



09:00-09:15 Opening Ceremony

SESSION 1

09:15-09:45	KEYNOTE Charting The Uncrewed Course - Realities of Maritime & Subsea Autonomy	Richard Tanner
09:45-10:00	WASP WARA Public Safety Research Arena and Center for Heterogeneous Adaptive Swarm Systems Overview	Mariusz Wrozek
10:00-10:15	ChalmSAR-1: A UAV-based imaging radar	Albert Monteith
10:15-10:35	Panel Discussion 1	

10:35-10:50  Fika

SESSION 2

10:50-11:20	KEYNOTE AMES Project & Future of Emergency Systems	Patxi Acero
11:20-11:35	Drone Ecosystem & Dual-Use Applications	Johan Sehlstedt
11:35-11:50	The role of a regional airport in the new era of UAV's including drones	Josef Khan
11:50-12:10	Panel Discussion 2	

12:10-13:10  Lunch

SESSION 3

13:10-13:40	KEYNOTE Drones in Warfare, Nordic Operational Gaps	Lars Forssell
13:40-13:55	Bio-Inspired Aerial Robotics: Lessons from Insects and Birds	Arion Pons
13:55-14:10	Law enforcement supported by drones	Tobias Stenstrom
14:10-14:30	Panel Discussion 3	

14:30-14:45  Fika

SESSION 4

14:45-15:15	KEYNOTE Beyond the Horizon - Secure and resilient connectivity for autonomous systems	Oscar del Castillo
15:15-15:30	Autonomous Off-road Logistics: Eira's Electric Robotic Platform	Dag Bergsjo
15:30-15:45	Hydrogen Fuel Cell System for Demanding Drone Missions	Dhelipan Mahenthiran
15:45-16:05	Panel Discussion 4	

SESSION 5

16:05-16:35	KEYNOTE Drone Testing, Certification & Advanced Air Mobility	Alex Samara
16:35-16:50	Reimagining How Aircraft Are Built and Used - Creating the Largest 3D-Printed Fuselage in the World	Fredrik Carlsson
16:50-17:05	Building unmanned surface and air systems in Sweden: from composite shop to customer trials	Kriss Moell
17:05-17:35	Panel Discussion 5	

17:35-17:50 **Day 1 Closing Remarks**19:00-22:30 **Networking Dinner & Mingle - Wijkanders Restaurant**

DAY 2

SPACE & AUTONOMOUS SYSTEMS

27 October 2026 | Navigation, robotics, human spaceflight and future space operations



SESSION 1

09:00-09:30	KEYNOTE Satellite Navigation for Autonomous Systems: From Earth to the Moon	Samieh Alissa
09:30-09:45	Taking Autonomy Beyond Earth	Ola Benderius
09:45-10:00	From Classroom to Space-Rated Technology: The Next Generation of Space Engineering at Chalmers	Prof. Rudiger Haas
10:00-10:30	Panel Discussion 1	

10:30-10:45  Fika

SESSION 2

10:45-11:15	KEYNOTE Humanoid Robots for Space Operations	Dr. Shivesh Kumar
11:15-11:30	Cybersecurity	Semayat Fanta
11:30-11:45	Sounding Rockets, a Legacy Research Platform Ready for Future Applications	Stefan Kramer
11:45-12:15	Panel Discussion 2	

12:15-13:15  Lunch

SESSION 3

13:15-13:45	KEYNOTE Microgravity & Autonomous Technologies for Human Space Exploration	Vladimir Pletser
13:45-14:00	Human-Rated Space Structures on Earth: Developing Swedish Analogue Habitats	Deborah Kirkman
14:00-14:15	Engineering Living Systems for Space - From Polar Extremes to Autonomous Biological Life Support	Adela Dumitrascu
14:15-14:45	Panel Discussion 3	

14:45-15:00  Fika

SESSION 4

15:00-15:30	KEYNOTE Use of AI & Robotics Supporting MoonBase	Dr. Jeevan Perera
15:30-15:45	Q&A with Dr. Jeevan Perera	

SESSION 5

15:45-16:00	AI-Driven Dynamic Climate-Risk Indices Using Satellite Data for Financial Markets	Noralba Hernandez
16:00-16:15	Arctic Weather Satellite and EPS-Sterna Payloads by AAC Omnisys (AAC Clyde Space)	Olivier Auriacombe
16:15-16:30	From Setbacks to Milestones: Building a Student Rocket	CAESAR - Chalmers Rocket Team
16:30-17:00	Panel Discussion 4	

17:00-17:30 **Final Remarks & Closing**