



SRS Conference 2026

March 25-26
Stockholm University



Programme

Wednesday, March 25

- 12:00-12:05 Practical information (Jörg Gumbel)
- 12:05-12:45 **Session: Astronomy** (chair: Linn Boldt-Christmas)
Nikki Miller, Uppsala University: Cool exoplanet host stars with PLATO
Kelley Hess, Chalmers/Onsala: Galaxy evolution with the SKA
- 12:45-13:25 **Session: Solar System** (chair: Hayley Williamson)
Moa Persson, IRF Uppsala: The Dynamic Magnetosphere of Mercury
Nicol Latsia, Luleå University of Technology: Listening to thermal fatigue in chondrites
- Introductory Session**
- 13:30-13:40 Welcome (Jane Reichel, Vice President at Stockholm University)
- 13:40-13:45 Introductory remarks (Maria Hamrin, SRS chair)
- 13:45-14:00 Swedish Space Research (Maria Nilsson, State Secretary at the Ministry of Education and Research)
- 14:00-14:10 Questions to Maria Nilsson
- 14:10-14:50 **Session: Atmospheric Physics** (chair: Jörg Gumbel)
Jonas Hedin, Stockholm University: The ORIGIN sounding rocket project - Old and new reaction schemes in airglow
Patrick Eriksson, Chalmers: Arctic Weather Satellite
- 14:50-15:20 Coffee break and **Posters**
- 15:20-16:00 **Session: Astrobiology** (chair: Linn Boldt-Christmas)
Alef Dos Santos, Umeå University: Life at the Limits: Microorganisms as Tools for Planetary Habitability and Biosignature Detection
Aline Novais, Lund University: Exocomets in planetary systems
- 16:00-16:40 **Session: Space Plasma** (chair: Emiliya Yordanova)
Tomas Karlsson, KTH: Small-scale structures upstream of Earth's bow shock and their possible effect on the magnetosphere - Cluster and other results
Anja Möslinger, Umeå University: Ion Dynamics in Cometary Magnetospheres: Insights from Hybrid Simulations
- 16:40-17:10 **SRS Annual Meeting**

- 17:10-17:25 **SNSA career scientists** - Quick Talks
Sota Nanjo, Merve Yesilbas, IRF Kiruna: Multi-Scale Investigation of Aurora Dynamics Using SMILE Satellite and Ground-Based Observations
Santi Roca-Fabrega, Lund University: Shedding light on dark matter with ARRAKIHS
- 17:25-18:00 **Poster pitches** - 36 poster talks, 1 minute each
- 18:00-18:45 **Poster session**
- 18:45-19:00 Walk to campus Nya Albano
- 19:15-21:30 **Dinner** at Proviant Albano

Thursday, March 26

- 8:45-8:50 Practical information (Jörg Gumbel)
- 8:50-9:30 **Session: Earth observation** (chair: Susanne Kratzer)
Johan Nilsson, Uppsala University: Remote sensing of the cryosphere and terrestrial water sources
Anis El YOUNCHA, University of Gothenburg: Observing air-sea fluxes from space: advances and challenges
- 9:30-10:10 **Session: Space physiology and microgravity** (chair: Rodrigo Fernandez-Gonzalo)
Jan-Bernd Stukenborg, Uppsala University: The reproductive system in space
Victor Castro-Alves, Örebro University: Plant responses to microgravity and radiation aboard the International Space Station
- 10:10-10:25 **The Swedish Space Research School** (Christer Fuglesang)
- 10:25-10:50 Coffee break and **Posters**
- 10:50-12:00 **SNSA session**
- 12:00-12:10 Closing remarks (Maria Hamrin, SRS chair)

SRS Conference 2026 – Posters

1	Aminjafari, Saeid	Stockholm University	Comparison of Persistent Scatterers Interferometry with Phase Linking InSAR along Linear Infrastructure
2	Behrens, Gunnar	Chalmers	Diurnal cycles of Deep Convective Processes in the Tropics in Satellite Observations, Reanalysis and km-scale models
3	Blanco-Cano, Xochitl	Geophysic Institute	Origin of Three Second Foreshock Waves Observed by the MMS Mission
4	Buchert, Stephan	IRF Uppsala	Ionospheric irregularities in the Scandinavian sector
5	Castro-Alves, Victor	Örebro University	CoSMOSMiTE: Comprehensive Screening of Metabolites in Organisms on Space Missions for Technological Exploration
6	Doukoumopoulos, Evangelos	Karolinska Institutet	Role of the actin cytoskeleton in T cell activation in microgravity
7	Eriksson, Anders	IRF Uppsala	Analytic Hybrid Model of Comet Plasma
8	Große-Schware, Anatol	KTH	Juno observations of O ⁺ cyclotron waves near Io
9	Hebrail, Dylan	Lund University	Tidally induced radial migration waves in Large Magellanic Cloud-like galaxies
10	Jaramillo, Fernando	Stockholm University	The Potential of Hydrogeodesy to Address Water-Related and Sustainability Challenges
11	Kapitein, Daan	Utrecht University	Neutralized solar wind flux and differential flux generated by lunar exospheric dust for an observer in orbit
13	Khotyaintsev, Yuri	IRF Uppsala	Plasma Observatory: Moving Beyond Four-Point Measurements to True Multiscale Plasma Physics
15	Kratzer, Susanne	Stockholm University	AERONET-OC Pålgrunden – a Swedish national infrastructure for the validation of multi-mission ocean colour satellite data products in optically-complex waters
17	Linder, Björn	Stockholm University	The Earth Climate Observatory (ECO)
18	Hocking, Thomas	Stockholm University	Spaceballs - a satellite mission concept to measure the Earth's energy imbalance directly from space

20	McEvoy, Peter	Chalmers	Atmospheric Ice Mass Retrievals from the Artic Weather Satellite: A level 2 product
21	Megner, Linda	Stockholm University	The Mats satellite: A quest to understand the wave driven parts of our atmosphere
22	Krasauskas, Lukas	Stockholm University	MATS satellite mission: gravity waves in the mesosphere
23	Mukhopadhyay, Ritwika	Swedish University of Agricultural Sciences	Prediction and Mapping of Understorey Vegetation (USV) Coverage Analysis in Fennoscandian Ecosystem Using Satellite Remote Sensing Data
24	Mustill, Alexander	Lund University	Kinematics of exoplanet host stars
25	O'Kane, Sean	Stockholm University	Developing and Validating Sentinel-3 OLCI Water Constituent Retrieval Methodologies in the Baltic Sea, for the Assessment of Long-Term Environmental Processes
27	Ragnebrandt, Frida	Umeå University	Life on Mars? Survival and Biosignatures of Antarctic Cryophile in Martian Saline Conditions
28	Rodriguez, Saúl	Karolinska Institutet	Artificial Gravity Preserves Resting Metabolic Rate in a 60-Day Bed Rest Model
30	Stenberg Wieser, Gabriella	IRF Kiruna	Getting ready for Jupiter: lessons from Juice first flyby of Earth
31	Stergiopoulou, Katerina	Umeå University	Solar wind interaction with lunar crustal magnetic fields
32	Taki, Tomoe	IRF Kiruna	Electric fields in and around the auroral arc and the inferred current system from the BROR experiment
33	Wolf, Dominik	Stockholm University	The use of Remote Sensing data for improved monitoring of underwater vegetation at the Swedish west coast
34	Yesilbas, Merve	Umeå University	Fe-Rich Clay Mediated Preservation of Adenine Under Mars-like Conditions
35	Zeger, Lukas	Uppsala University	Deep Impact: How Microgravity affects Neural Stem Cells
36	Roth, Lorenz	KTH	ESA L4 Mission to Enceladus
37	Kautsky, Lena	Stockholm University	Baltic Fucus in Space. Does microgravity drive the biological clock of this seaweed?