



# SRS Conference 2026

March 25-26  
Stockholm University



## Programme

Please find the final programme and a list of the posters at the end of this document.

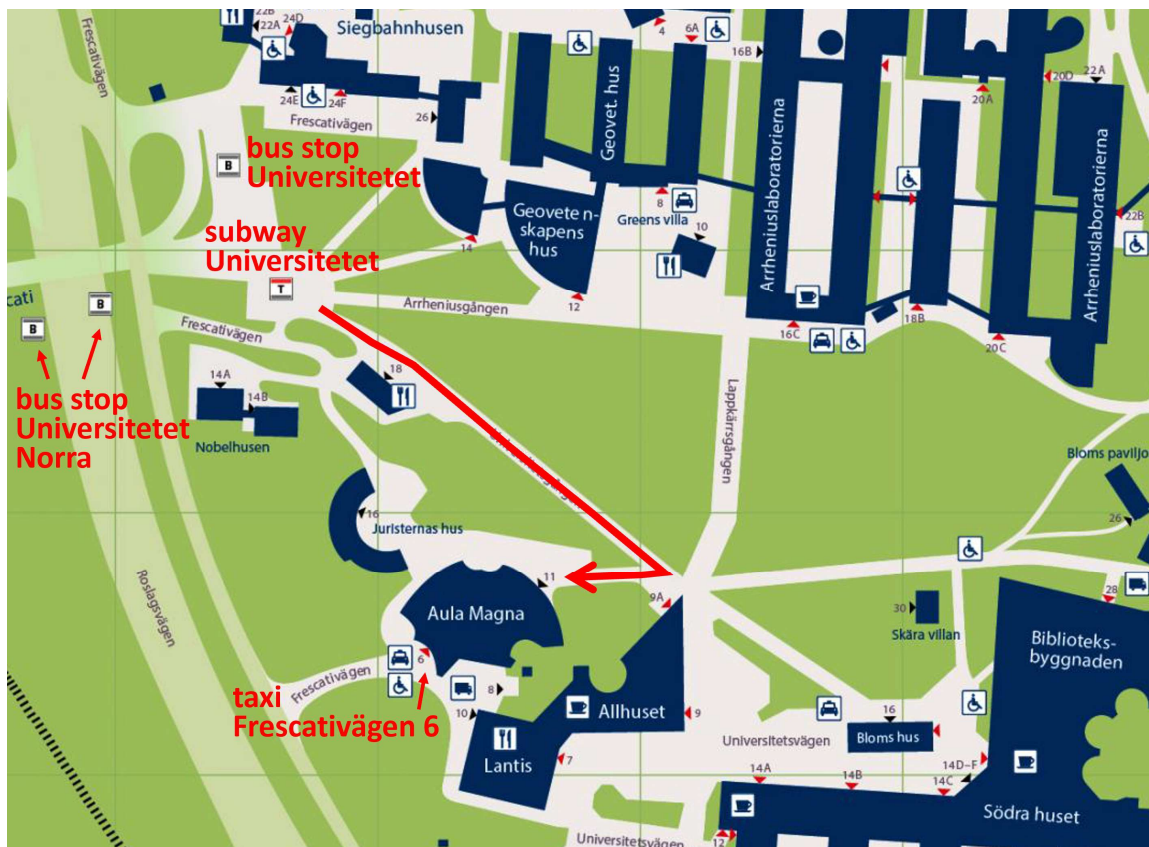
## Venue

The SRS Conference will take place at Stockholm University in Aula Magna. The sessions will start on Wednesday at 12:00 and finish on Thursday at 12:10.

You get to the University's Frescati Campus by the Subway's red line (Line 14 towards Mörby Centrum, getting off at "Universitetet") or by bus 50 (from Odenplan towards Stora Lappkärrsberget, getting off at "Universitetet"). Once at the university, follow the red arrow on the map to the main entrance of Aula Magna (address Universitetsvägen 11).

If you come by taxi, the address is Frescativägen 6 and you will arrive at the backside of the Aula Magna building.

## Campus Frescati



## Upon Arrival

Note that **no lunch** will be served at the SRS conference. So make sure to eat some lunch in town or at the University campus before arriving at the conference. A list of lunch places at the Frescati Campus can be found on this [university website](#).

You will enter the Aula Magna building on the 4<sup>th</sup> floor. Here you can pick up your **name tag**. (In case you wonder about the different colours of the tags: The speakers have yellow tags, which helps us attaching microphones to the right persons. Green tags identify people who work with the local organisation and who might be able to help with practical questions.)

The **posters** will be on display on the 5<sup>th</sup> floor. If you have a poster, we recommend to set it up before the start of the conference. The spots for putting up the posters are numbered. Please check the number of your poster in the poster list!

You can enter the **lecture hall** both from the 4<sup>th</sup> floor and from the 5<sup>th</sup> floor.

Note that it is not allowed to take **luggage** (suitcases or large bags) into the lecture hall. Luggage can be stored on both days in a room on the 6<sup>th</sup> floor (Mezzanin). That room is locked with a code that we will hand out. There is an elevator to the 6<sup>th</sup> floor. Apart from the luggage storage, we also recommend the 6<sup>th</sup> floor for the nice view.

## Speakers

We ask the speakers to take a seat in the first or second row prior their talk so that we can attach a headset with a **microphone**.

## Poster Sessions and Coffee Breaks

The following poster sessions are planned:

- Wednesday at 14:50-15:20, in combination with coffee/tea and sandwiches
- Wednesday at 18:00-18:45, in combination with soda and beer (2.2%)
- Thursday at 10:25-10:50, in combination with coffee/tea and cookies

We ask the poster presenters to spend a reasonable amount of time at their posters during the poster sessions. The poster pitch talks will take place on Wednesday at 17:25-18:00 in the lecture hall.

## Conference Dinner

The conference dinner will take place starting at 19:00 in **restaurant Albano at Campus Nya Albano** (in Building 2 / Hus 2), website <https://proviantalbano.se>. It takes 15 minutes to walk there, and the idea is that we walk there together, leaving from Aula Magna at 18:45.

If you prefer to go there by bus, you can take bus 50, 205 or 670 going south to **bus stop Albano**:

- 18:31 bus 50 from bus stop Universitetet
- 18:43 bus 670 from bus stop Universitetet Norra
- 18:45 bus 205 from bus stop Universitetet Norra
- 18:58 bus 670 from bus stop Universitetet Norra
- 19:00 bus 50 from bus stop Universitetet

We can also help you to book a taxi.

Additional information about Campus Nya Albano can be found on this [university website](#).

## Campus Nya Albano



At the restaurant, SNSA invites you to a 3-course dinner. Alcoholic beverages are not included but can be purchased at a bar. If you want to order at the bar, we recommend to start doing so already before the dinner.

After the dinner, if you do not feel like walking, busses from the **bus stop Albano** are the best way to get either to downtown or back to the university.

Busses to town (going south):

- 20:33 bus 50 to Odenplan
- 20:45 bus 670 to Tekniska Högskola
- 21:03 bus 50 to Odenplan
- 21:13 bus 670 to Tekniska Högskola
- 21:32 bus 50 to Odenplan
- 21:43 bus 670 to Tekniska Högskola
- 22:02 bus 50 to Odenplan
- 22:11 bus 670 to Tekniska Högskola
- 22:32 bus 50 to Odenplan
- 22:40 bus 670 to Tekniska Högskola

Buses to the university (going north):

- 20:35 bus 670 to Universitetet norra
- 20:41 bus 50 to Universitetet
- 21:05 bus 670 to Universitetet norra
- 21:11 bus 50 to Universitetet
- 21:35 bus 670 to Universitetet norra
- 21:42 bus 50 to Universitetet
- 22:03 bus 50 to Universitetet
- 22:05 bus 670 to Universitetet norra
- 22:32 bus 50 to Universitetet
- 22:34 bus 670 to Universitetet norra

## Contact:

Here are some local contacts in case of problems:

- Linda Megner, 073-569 42 75, [linda.megner@misu.su.se](mailto:linda.megner@misu.su.se)
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## 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 (Lotta Edholm, Minister for Upper Secondary School, Higher Education and Research)
- 14:00-14:10 Questions to Lotta Edholm
- 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, 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 (<https://proviantalbano.se>)

## 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 <sup>+</sup> 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

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