

Astronomdagarna 2019, Albanova Stockholm
Programme as of 15 October. Details may change. Venue: Oskar Klein Auditorium

Thursday, October 24

- 11:30 Reception desk opens
12:30 Welcome. Jesper Sollerman: *The Swedish Astronomical Society*
12:50 Invited: Jens Jasche (SU OKC): *Large-scale dynamics of the Universe*
13:10 Joel Johansson (UU): *Four ways of looking at a supernova: resolving the multiple images of iPTF16geu*
13:25 Mattia Bulla (Nordita): *Electromagnetic counterparts of gravitational-wave events: linking models to observations*
13:40 Ana Sagues Carrecedo (SU OKC): *Detectability of Kilonovae with Zwicky Transient Facility*
13:55 Dennis Alp (KTH): *X-Ray and Gamma-Ray Emission from Core-collapse Supernovae*
14:10 Poster presentations #1
14:40 Historical flashback #1: *Swedish astronomy in 1919*
14:45 ——— **Coffee** ———
15:15 **Manne Siegbahn Memorial Lecture:** Fiona Harrison (Caltech). *Science Highlights from the Nuclear Spectroscopic Telescope Array (NuSTAR): Bringing the High Energy Universe into Focus*

Reception (level 3)

- 16:30-18:00 Demonstrations by *Vetenskapens hus* – the House of Science: *Astronomy activities for schools and other fun things* (Albanova main entrance)

Dinner for *Female Astrophysicists Network Sweden* (FANS). To participate, contact: Sofie.Liljegren@physics.uu.se

Friday, October 25

- 08:30 Reception desk opens
09:00 Invited: Sofia Ramstedt (UU): *Binary interaction in evolved stars studied with ALMA*
09:20 Sara Bladh (UU): *Mass loss in metal-poor AGB stars*
09:35 Andreas Korn (UU): *New abundances for old stars*
09:50 Torbjörn Sundberg (FOI): *Space situational awareness in the era of mega-constellations*
10:05 Poster presentations #2
10:45 Historical flashback #2: *The first female academic astronomers*
10:50 ——— **Coffee** ———
11:20 Invited: Jaime de la Cruz Rodríguez (SU ISP): *Chromospheric heating of the Sun*
11:40 Carlos José Díaz Baso (SU ISP): *Deep Learning in Solar Physics*
11:55 Dan Kiselman (SU ISP): *The European Solar Telescope*
12:10 Karin Lind (SU Astronomy): *Galactic archaeology and stellar physics with the GALAH survey*
12:25 Sara Rezaei (CTH / MPIA): *3D map of the dust distribution towards the Orion-Eridanus superbubble with Gaia DR2*
12:40 Tanja Nymark (VH) / Urban Eriksson (Högskolan i Kristianstad): *The Star-Spotting Experiment - Measuring Light Pollution*
12:55 ——— **LUNCH BREAK** ———
14:30 Invited: Carina Persson (CTH): *On exoplanets and the CHEOPS mission*
14:50 Michiel Lambrechts (LU): *How the radial pebble flux determines a terrestrial-planet or super-Earth growth mode*
15:05 Alexander Mustill (LU): *White dwarfs and dead planetary systems*
15:20 Eva Wirström, Per Bjerkeli (CTH): *Water on the Galilean moons as observed with JUICE/SWI: 3D radiative transfer predictions*
15:35 Katrin Ros (LU): *Icy pebble growth at the water ice line in protoplanetary discs*
15:50 Historical flashback #3: *How to get famous – Swedish names in space*
15:55 ——— **Coffee** ———
16:25 Invited: Emiliya Yordanova (IRF-U): *On space weather*
16:45 Invited: Simona Pirani (LU): *The early migration of Jupiter*
17:05 Brian Thorsbro (LU): *Clues to galaxy formation from chemical abundances of stars in the Galactic center*
17:20 Jouni Kainulainen (CTH): *Towards a new generation of star formation rate models*
17:35 Jonathan C. Tan (CTH): *Formation of Supermassive Black Holes in the Early Universe*
17:50 ——— **END** ———
18:30 Dinner at Albanova (level 3)

P.T.O.

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Saturday, October 26

09:30 Välkomna till Svenska astronomiska sällskapetets 100-årsfirande

Inbjuden talare: Johan Kärfelt (GU, 30 min): *Ur Svenska astronomiska sällskapetets historia*

Erik Zackrisson (UU, 20 min): *Virtual reality, gamification och spelbaserad inläring i astronomiundervisning,*

Cecilia Kozma (VH, 20 min): *Stockholms gamla observatorium som en utbildningsresurs*

Utdelning av Rosa Tengborgs ungdomsstipendium.

Jennifer Andersson och Måns Holmberg (AU, 20 min): *Astronomisk ungdom*

Lars Hermansson (UAA, 20 min): *Modern amatörastronomi*

11:30 ——— **LUNCHPAUS** ———

13:00 Inbjuden talare: Gustav Holmberg (GU, 30 min): *Svensk amatörastronomi under 100 år*

Utdelning av bidrag från Planetariefonden. Presentation av projekt.

Margareta Malmort (Rymdblick, 10 min): *Astronomi för yngre barn*

Gösta Gahm (SU, 20 min): *Sweden Solar System*

Charlotte Helin och Arne Sikö (HAS, 20 min): *Stjärnor och Science Safari*

14:30 Kaffe och 100-årsfirande

15:30 **Nordenmarkföreläsningen 2019.** Gabriella Stenberg Wieser (IRF-K): *En rymdforskarens vardag*

16:30 ——— **SLUT** ———