

## February 10th

### 13:00-14:00 Lunch

#### Session #1: Context talks and poster viewing

14:00-14:05	Matteo Guainazzi	Welcome
14:05-14:10	Emma Vellard	SolarConflux: A Multi-Spacecraft Alignment Tool for Solar Event Analysis
14:10-14:15	Matthew Standing	Breaking the Limits: Efficient RV Detection limits and Planetary Occurrence Rates
14:15-14:20	Paule Sonnentucker	The D/H ratio in the nearby ISM and the Big Bang!
14:20-14:25	Arkadiusz Skorski	Accessible science observations with HiPS generation automation framework for ESASky
14:25-14:30	Eliot Sefton-Nash	The measurements we need to achieve the science objectives of Mars Sample Return: Findings of the Sample Receiving Project (SRP) Measurement Definition Team (MDT)
14:30-14:35	Johannes Sahlmann	Following up on Gaia DR3 substellar companion candidates: a confirmed brown dwarf and other discoveries
14:35-14:40	Lea Zulli	From industry to academia: adaptive MLOps for scientific reproducibility

### 14:40-15:10 Poster viewing

15:10-15:15	Tineke Roegiers	Unconference Session on Visual Trust and the creation of Visuals in Science
15:15-15:20	Laura Rodríguez García	The widespread solar energetic particle event on 2022 January 20: The role of the magnetic cloud
15:20-15:25	Rozenn Robidel	Estimating the contribution of meteoroids to the exosphere of Ganymede
15:25-15:30	Lucia Riu	Spectral characterisation of Ryugu returned samples

### 15:30-16:00 Coffee and tea break

#### Session #2: Context talks and poster viewing

16:00-16:05	Emily Rickman	Breaking the degeneracy: substellar anchors for atmospheric and evolutionary models of exoplanets
16:06-16:10	Kristin Anett Rimmelgas	Enhancing Data Access and Analysis for the Euclid Mission: Q1 release in ESA Datalabs
16:10-16:15	Patricio Reller	Data-Intensive Pipeline for Robust Exoplanetary Analysis: Application to the Long-Period Exoplanet TOI-4409 b
16:15-16:20	Isabel Rebollido	Effects of giant collisions on exocometary frequencies
16:20-16:25	Holly Raynor	EnVision Coverage Analysis for ESA's return to Venus
16:25-16:30	Tim Rawle	Environmentally-triggered star formation: Herschel legacy in the age of Webb

### 16:30-17:00 Poster viewing

17:00-17:05	Erwan Quintin	Needle in a Poissonian haystack: finding faint & fast transients in the XMM-Newton archive
17:05-17:10	Vicente Navarro	Euclid Data Space and ESA Datalabs, a Team for Space Science Collaboration
17:10-17:15	Sarah Massalkhi	An Observational Study of Molecular Dust Precursors in Circumstellar Envelopes
17:15-17:20	Pedro Mas Buitrago	Using autoencoders and deep transfer learning to characterise low-resolution spectra of ultracool dwarfs
17:20-17:25	Nikolaus Martindale	Asteroid Detection in JWST Archival Data
17:25-17:30	Kirsten Larsen	Stochastic Modeling of Stellar Associations in NGC4826

### 17:30-18:00 Poster viewing

### 19:30-21:00 Dinner at venue

### 21:00-23:00 SSW Quiz!

## February 11th

### Session#3 - Context talks and poster viewing

09:00-09:05	Alvaro Labiano Ortega	The Large eJWST AGN catalogue
09:05-09:10	Marcos López-Caniego	From text to Euclid Data Space: A Multi Agent System to support archival data discovery in Euclid
09:10-09:15	Sandor Kruk	All hail the AI overlords: let's discuss ML!
09:15-09:20	Peter Kretschmar	Speeding up, braking, erratic changes, and the diversity of accreting X-ray pulsars' spin frequency history
09:20-09:25	Meeri Harkki	Machine learning based anomaly detection in satellite telemetry
09:25-09:30	Esin Gulbahar	Advancing Cosmology with Simulated XMM-Newton Observations of Galaxy Clusters and AGNs

### 09:30-10:00 Poster viewing

10:00-10:05	Björn Greiger	Do-It-Yourself Quantum Teleportation
10:05-10:10	Nelly Gaillard	Machine Learning techniques application on astrometry for the Gaia Mission
10:10-10:15	Lavinia Finalde Delfini	A Gaia-powered machine-learning tool for stellar classification
10:15-10:20	Elena Favaro	Insights from an Equatorial Survey of Periodic Bedrock Ridges on Mars
10:20-10:25	Willi Exner	IMF Influence of Sodium Ion Distribution in Mercury's Magnetosphere
10:25-10:30	C. Philippe Escoubet	SMILE: making the invisible visible

### 10:30-11:00 Poster viewing

### 11:00-11:30 Coffee and tea break

### Session#4 - Context talks and poster viewing

11:30-11:35	Henrik Eklund	Spatio-Temporal Deconvolution of Solar Images Using an Artificial Neural Network
11:35-11:40	Guillaume Cruz Mermy	Mapping the microphysical properties of Europa's dark lineaments
11:40-11:45	Virginia Carcélen Aycart	FornaX: an XMM Multi-Year Heritage programme (2024-2034)
11:45-11:50	Hector Canovas	G-WISE: a Gaia-WISE catalogue of sources with significant mid-infrared excess
11:50-11:55	Alice Borghese	The first outburst of the magnetar Swift J1555.2-5402
11:55-12:00	Stephan Birkmann	A Cosmic Ray Library for the Ariel Mission

### 12:00-12:30 Poster viewing

12:30-12:35	Ines Belgacem	Reconnaissance of potential landing sites by Europa Clipper
12:35-12:40	Deborah Baines	ESASky: are you using it yet?
12:40-12:45	Simone Astarita	Delving into the Utilisation of ChatGPT in Scientific Publications in Astronomy
12:45-12:50	Bruno Altieri	A complete Einstein ring around the nucleus of NGC 6505
12:50-12:55	Xavier Dupac	Pioneering Sustainability in Space: New Materials for Cubesat Reaction Wheels
12:55-13:00	Arnaud Masson	The pioneer Cluster mission

### 13:00-14:30 Lunch break

### Session#5 - Regular session

14:30-15:00	Victoria Grinberg	Astronomy4Planet Earth
15:00-15:15	Peter Zeidler	The discovery of the first extra-galactic young Brown Dwarf population
15:15-15:30	Domenico Trotta	Welcome to Solar Maximum! Solar Orbiter observations of shock waves

### 15:30-16:00 Poster viewing

### 16:00-16:30 Coffee and tea break

### 16:30-18:00 Poster viewing

### 18:15-19:00 Zumba class

### 19:30-22:00 Seated dinner at venue

## February 12th

### Session#6 - Regular session

09:00-09:30	Sandor Kruk	Natural Language Processing for Space Science with ESA
09:30-09:45	Lorenzo Speri	Gravitational Wave Observations in the Millihertz Regime: Prospects and Challenges of the Upcoming LISA Mission
09:45-10:00	Samuel Pearson	JWST NIRSpec observations of Planetary Mass Objects in the Orion Nebula Cluster.
10:00-10:15	Rafal Osnadik	Machine learning for Planetary Topography: Generation of Digital Elevation Models from surface images of Mars.
10:15-10:30	David O'Ryan	Galaxy Morphology in Clusters with ESA Datalabs and ML

### 10:30-11:00 Coffee and tea break

### 11:30-13:00 Walk to the windmill and the pumping station

### 13:00-14:30 Lunch break

### Session#7 - Unconference sessions (in parallel)

14:30-18:30	Unconference session on: Machine learning for space science
14:30-18:30	Unconference Session on: Visual Trust and the creation of Visuals in Science

### 19:30-21:00 Dinner at venue

## February 13th

09:00-09:30	Sonia Escorial Sant EDI	
09:30-09:45	Matilde Mingozzi	A IR-to-UV view of a nearby high-z analog with JWST and HST to interpret the first galaxies
09:45-10:00	Fran Jiménez Esteb	The Gaia Catalogue of Galactic AGB Stars
10:00-10:15	Marie-Alix Gillyboe	Machine Learning and Accessibility for Space Science: Sonification of Euclid Images
10:15-10:30	Pablo Gómez	Searching the Needle in a Haystack of 92 Million Hubble Sources with AnomalyMatch

### 10:30-11:00 Coffee and tea break

11:00-11:15	Camille Diaz	New Insights into the Clumpy Accretion and Absorption Structure of High-Mass X-Ray Binaries
11:15-11:30	Marjorie Declair	A first taste of MEAD: Measuring Extinction and Abundances of Dust
11:30-11:45	Guido de Marchi	Measuring the extinction in the massive cluster NGC 3603 with NIRSpec
11:45-12:00	Ashley Chrimes	White dwarf-neutron star binaries: a plausible pathway for long-duration gamma-ray bursts from compact object mergers?
12:00-12:15	Guadalupe Cañas	Neural Networks for cosmological model selection and feature importance using Cosmic Microwave Background data
12:15-12:30	Sebastien Besse	Could the dinosaurs have observed Mercury's volcanism?
12:30-12:45	Laura Rodríguez Ga	Comparing observations of the closely located JUICE and STEREO-A spacecraft during the solar energetic particle event of 2024 May 13.
12:45-13:00	Gaitee Gussain	Concluding remarks

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