

Session Program

31 August 2026 to 4 September 2026



**MACHINE LEARNING
FOR ASTROPHYSICS**

3RD EDITION VALLETTA, 31 AUG - 4 SEP, 2026

International Conference on Machine Learning for Astrophysics 3rd Ed. - ML4ASTRO3

Generative AI

University of Malta, Aula Prima
Valletta Campus, St Paul Street Valletta VLT 1216, Malta

Friday 4 September

10:05

Generative AI: I

Session | **Location:** University of Malta, Aula Prima, Valletta Campus, St Paul Street Valletta VLT 1216, Malta

10:05–10:45

[INVITED] AI agents for accelerating astronomical research and discoveries

Speaker

Francisco Villaescusa-Navarro

10:45

11:10

Generative AI: II

Session | **Location:** University of Malta, Aula Prima, Valletta Campus, St Paul Street Valletta VLT 1216, Malta

11:10–11:50

[INVITED] How astronomers use LLMs? Emerging results and ethical concerns from professional surveys

Speaker

Morgan Fouesneau

11:50–12:10

A Multi-Resolution, Data-Driven Transformer Framework for Radio Interferometric Imaging

Speaker

Qitong Anabel Tan

12:10–12:30

Multi-Agent AI Systems for Astrophysics and Cosmology

Speaker

Andrius Tamosiunas

12:30

14:00

Generative AI: III

Session | **Location:** University of Malta, Aula Prima, Valletta Campus, St Paul Street Valletta VLT 1216, Malta

14:00–14:20

Deep Generative Priors for Interferometry: Non-Parametric Forward Modelling of the Sunyaev-Zeldovich Effect

Speaker

Luca Fontana

14:20–14:40

Bayesian multiband imaging of SN1987A in the Large Magellanic Cloud with SRG/eROSITA

Speaker

Vincent Eberle

14:40–15:00

Bayesian model selection for high-dimensional astrophysical generative models

Speaker

Matteo Guardiani

15:00