

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

Time Domain And Transients

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

Tuesday 1 September

13:30

Time Domain And Transients: I

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

13:30-14:10

[INVITED] AI for the Sky: SkAI Research and Physics-Informed Deep Learning for Stars

Speaker

Vicky Kalogera

14:10-14:30

Speeding-up the search for anomalies in ZTF time series with interpretable machine learning

Speaker

Emmanuel Gangler

14:30-14:50

Using Flow Matching to study the sub-burst structure of short astronomical transients

Speaker

Anja Schmit

14:50-15:10

Bridging Difference Imaging and Supernova Physics with TimeGANs

Speaker

Maria Zampella

15:10-15:30

SELDON: A Foundation Model for Transients

Speaker

Jack O'Brien

15:30