Session Program

11–15 Jan 2027

From Gaia to GaiaNIR - Science from Precision Astrometry Across the Universe and Beyond the Extinction Barrier

Beyond Gaia

Thursday 14 January

15:05

Beyond Gaia: Astrometry after Gaia I

Session

15:05–15:25 **The JASMINE mission**

Speaker
Daisuke Kawata

15:25–15:45

GaiaNIR and the Hidden Regions of our Galaxy: Synergies and Proposal Plans

Speaker
Dr David Hobbs

15:45–16:00

Radial velocity and atmospheric parameter calculations for the GaiaNIR spectrograph

Speaker
Szabolcs Mészáros

16:00

16:20

Beyond Gaia: Astrometry after Gaia II

Session

16:20–16:40

The Dynamics of Stellar Systems in the Milky Way with Gaia and GaiaNIR

Speaker
Isabella Henum

16:40–17:00 **Relativistic modelling for next-generation space astrometry**

Speaker
Gabriel Rodríguez Moris

17:00–17:15 **Australia beyond Gaia: Science and Technology for the GaiaNIR Era**

Speaker
Thavisha Erandinie Dharmawardena

17:15–17:30 **Chemical tagging and CNO abundances with GaiaNIR**

Speaker
Anna Liptrott

17:30–17:45 **Crowded-field (spectro-)photometry from Gaia to GaiaNIR**

Speaker
Francesca De Angeli

17:45–18:00 **GaiaNIR Detectors: Options for TDI-like mode operation.**

Speaker
Nicholas Walton

18:00

Friday 15 January

09:00

Beyond Gaia: Synergies and science

Session

09:00–09:20

Beyond the Dust: The Galactic Centre, the Ultimate Astrometric Challenge

Speaker
Francisco Nogueras-Lara

09:20–09:40

Gaia-Euclid synergies

Speaker
Eduardo Balbinot

09:40–09:55

Classical Cepheid Pulsation Models from Gaia to the Near-Infrared: Preparing for the GaiaNIR Era

Speaker
Giulia De Somma

09:55–10:10

Gaia Alerts as a Discovery Engine for Eruptive Young Stars: Results and Prospects for GaiaNIR

Speaker
Ágnes Kóspál

10:10–10:25

Probing substellar populations beyond the visible

Speaker
Styliani Tsilia

10:25–10:40

Probing the low-mass end of star formation

Speaker
Dr Koraljka Muzic

10:40