

A CASCA Emerging Researchers Showcase

Wednesday 28 October 2026

Exoplanets & Stars: Full contributions (12:45-14:15)

time	[id] title	presenter
12:45	[40] Can Super-Earths Be Born Rocky? Separating Survey Selection from Formation in the Deficit of Large Rocky Planets at Low Insolation	MEI, HongYi
12:55	[61] Oxygen abundances as a key predictor of small planet hosts using gradient boosted decision trees	LIANG, Rosalind
13:05	[31] Determining Stellar Inclinations and True Planet Mass with RVs	ROSENER, Riley
13:15	[17] GAUCHO: Searching for Planets Around the Coolest Stars in the Galaxy	BÉLANGER, Flavie
13:25	[45] Freckled and Flaring: Statistical Starspot Mapping on M Dwarfs via Stellar Flares	KUMAR, Rohan
13:35	[27] EncoTESS: Age Inference from Raw TESS Light Curves	VAN-LANE, Phil
13:45	[8] Exploring Convective Boundary Mixing Through Stellar Pulsations	DAVIS, Serena
13:55	[28] Developing a Recurrent U-Net for Faint Trans-Neptunian Object Detection Using Synthetic Injections	Ms NAIR, Malavika

Exoplanets & Stars: Flash talks (14:15-14:30)

time	[id] title	presenter
14:15	[42] Forecasting The Weather On Ultra-Hot Worlds: A High-Resolution Study of WASP-189b	Mr GABRIEL, Jason
14:17	[58] Rapid Rotation of a Cold Extremely Metal-poor Brown Dwarf	ZHANG, Jerry J.-Y.
14:19	[26] Searching for Precursor Outbursts in 2024jlf	Ms LI, Ai Hua
14:20	[2] First Mid-Infrared Characterization of the Galactic Center WR Star Population	IRELAND, Zachary
14:21	[89] Tracing Star Formation Histories in the Local Neighborhood using Young Stellar Associations	Ms JASSAL, Sargun
14:22	[57] Reshaping the Search for Substructures in Young Protostellar Disks	Ms CALLISTA, Sullivan
14:23	[92] Finding Young Stars in the Noise: A Multi-Wavelength Detection and Classification Algorithm for Young Stellar Objects	Mr SACCO, Luke