

UCLA Division of Astronomy & Astrophysics

Astronomy Colloquium

Wednesday, February 25 at 3:30 PM
Room 1-434 PAB

Dr. Malena Rice

Yale University



Dynamical Demographics of Planetary Systems

The current configurations of planetary systems each provide a snapshot in time, encoding fossilized clues about the prevalence and diversity of systems' evolutionary pathways. Orbital architectures, therefore, offer fundamental insights into the physical processes shaping planetary systems at both the individual and population level. In this talk, I will describe recent advances in our understanding of the 3D orbital architectures of planetary systems, outlining both observational constraints and their theoretical implications. I will discuss how the dynamic relationship between stars and planets informs the underlying processes sculpting diverse planetary systems.

Hosted by Profs. Smadar Naoz, Alice Shapley and Erik Petigura.

Undergrads are encouraged to attend.