



MALENA RICE

MIT

INSIGHTS FROM THE ORBITAL ARCHITECTURES OF PLANETARY SYSTEMS

08 Nov. 2022 · 3:30 pm ET · *Bell Room (Rutherford 103)*

The orbital configurations of planetary systems serve as fossilized signatures of their past dynamical evolution. These signatures provide a direct window into planetary systems' formation histories at both the individual and population level, constraining the prevalence of mechanisms such as migration, secular evolution, and short-term scattering events. My research program investigates the dynamical relationship between stars, planets, and minor planets to demonstrate the key underlying processes that produce the observed diversity of planetary systems. I will draw from interconnected subfields of solar system and exoplanetary science to consider how the interface between subfields can be leveraged to develop a synthesized view of planetary system evolution.

Institut Spatial de McGill



McGill Space Institute

MSI SEMINAR SERIES