



Contribution ID: 72

Type: **Invited**

Exoplanet Demographics: Today, and in the PLATO Era

Wednesday, 15 May 2024 09:00 (30 minutes)

The goal of exoplanet demographics is to determine the occurrence rate of planets as a function of as many of the physical parameters that may influence planet formation and evolution as possible, over as broad a range of these parameters as possible, and to establish the existence of trends and correlations between them, or lack thereof. I will provide an overview of the state-of-the-art of exoplanet demographics across orders of magnitude in orbital separation, mass, and radius, and outline the impact of the PLATO mission in the field during the coming decade.

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Session Classification: System architectures from observations