

Planets are Places: Characterization of Other Worlds in the 2020s (No 2395)

📅 28.06.2021 ⌚ 15:00 - 15:30 🗨 Plenary talk
🔗 Opening Ceremony & Monday Plenary

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The past 25 years have revealed a diversity of exoplanets far beyond what was imagined from the limited sample in the Solar System. With new and upcoming observing facilities and a rapidly growing number of nearby planets, we are poised to bring this diversity into focus, with detailed follow-up characterization of the planets' atmospheres. In this talk, I will discuss frontier topics in exoplanet atmosphere characterization from Jovian to terrestrial worlds, including their chemical composition, global scale meteorology, cloud properties, and long-term evolution. I will conclude with my outlook on the search for biosignatures in the atmospheres of inhabited planets.