

# **Ariel Main Stream Workshop**

**Friday 7 May 2021 - Friday 7 May 2021**

**Online**

## **Scientific Programme**

**| Speaker | Title | Duration [min.]| Time |**

|:-|:-|:-|

| Turrini | Ariel and AMS status review | 30 | 14:00 - 14:30 |

| Pacetti | Tracing the formation history of giant planets in protoplanetary disks | 15 | 14:30 - 14:45 |

| Maldonado | Stellar parameters and chemical abundances of M dwarfs from high-resolution, optical spectra: a pathway to unveil the abundance signature of planet formation | 15 | 14:45 - 15:00 |

|

| Fonte | Analysis of molecular species produced by FastChem using the HEPHAESTUS inputs | 15 | 15:00 - 15:15 |

| Nikolaou | Characteristics of an hybrid atmosphere with disk-captured and degassing contributions over a rocky planet's magma ocean. A modeling approach. | 15 | 15:15 - 15:30 |

| Oliva | From the Solar System to Exoplanets: radiative transfer, data inversion and tools for simulating atmospheres. | 15 | 15:30 - 15:45 |

| Mugnai | ARIEL performance simulations | 15 | 15:45 - 16:00 |

| Break | | 15 | 16:00 - 16:15 |

| All | Feedback from ASI and Ariel + Round Table Discussion | 90 | 16:15 - 17:45 |

| All | Action items for AMS | 15 | 17:45 - 18:00 |