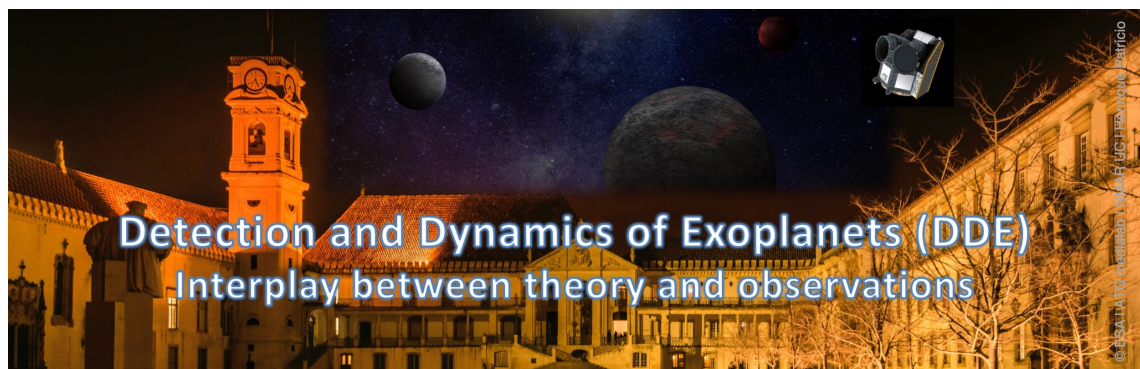


## Session Program

7-11 Jul 2025



## Detection and Dynamics of Exoplanets (DDE): Interplay between theory and observations

### *Star-planet interactions and exoplanets' characterization*

Physics Department, University of Coimbra, Auditorium C.1  
Rua Larga, 3004-516 Coimbra, Portugal

# Thursday 10 July

14:00

## Star-planet interactions and exoplanets' characterization

**Session** |

**Location:** Physics Department, University of Coimbra, Auditorium C.1, Rua Larga, 3004-516 Coimbra, Portugal

14:00–14:30

### Star-planet interactions and exoplanets' characterisation

**Speaker**

Susana Barros

14:30–14:45

### Improving interior models of UltraHot Jupiters using constraints from Photometric observations

**Speaker**

Babatunde Akinsanmi

14:45–15:00

### From Tides to Currents: Unraveling the Mechanism That Powers WASP-107b's Internal Heat Flux

**Speaker**

Konstantin Batygin

15:00–15:15

### Ohmic inflation of Hot Jupiters

**Speaker**

Daniele Viganò

15:15–15:30

### From Misaligned Hot Jupiters to Aligned Warm Jupiters: Constraining Qp of Jupiters

**Speaker**

Songhu Wang

15:30

16:00

## Star-planet interactions and exoplanets' characterization

**Session** |

**Location:** Physics Department, University of Coimbra, Auditorium C.1, Rua Larga, 3004-516 Coimbra, Portugal

16:00–16:15

### Tidal destruction of ultra-short-period planets around Sun-like stars

**Speaker**

Christopher O'Connor

16:15–16:30

### Tidal Dynamics and Rotational States of TRAPPIST-1 Planets: Implications for Observations

**Speaker**

Alexandre Revol

16:30–16:45

### Advancing JADE: Evolution of hot Sub-Neptunes with Water-Enriched Atmospheres

**Speaker**

Emily Wong

16:45-17:00

**To be or not to be a planet: multi-wavelength verification of deep desert Neptunes**

**Speaker**

Isobel Lockley

17:00-17:15

**Diversities and similarities exhibited by multi-planetary systems**

**Speaker**

Alexandra Muresan

17:15