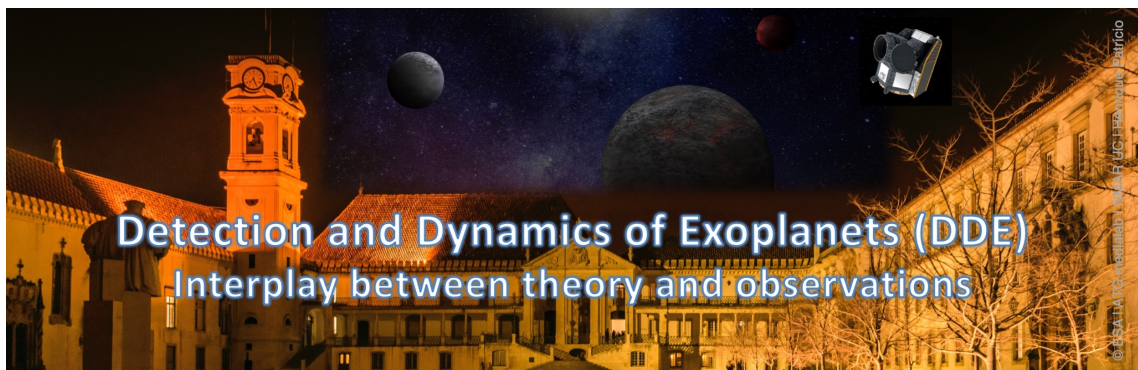


Session Program

7-11 Jul 2025



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

Stability and dynamics of planetary systems

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

Tuesday 8 July

14:00

Stability and dynamics of planetary systems

Session |

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

14:00–14:30

Stability and dynamics of planetary systems

Speaker

Cristobal Petrovich

14:30–14:45

Three-body resonances role in shaping planetary architecture

Speaker

Antoine Petit

14:45–15:00

Dynamical Instability of Multi-planet Systems and Free-floating Planets

Speaker

Man Hoi Lee

15:00–15:15

Dynamics of the AU Mic system as recently observed with CHEOPS

Speaker

Zoltán Garai

15:15–15:30

Resonant state of planetary systems

Speaker

Jérémy Couturier

15:30–15:45

Predicting the stability of planetary systems through chaos indicators

Speaker

Alexandru Căliman

15:45–16:00

The Resonant Remains of Broken Chains from Major and Minor Mergers

Speaker

Rixin Li

16:00

16:30

Stability and dynamics of planetary systems

Session |

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

16:30–16:45

Convergence of tori of maximal dimension towards tori of lower dimension in Hamiltonian systems close to integrable. Application to extrasolar planetary systems

Speaker

Jacques Laskar

16:45-17:00

Constraints on transit-detected system architectures from formation and dynamical studies**Speaker**

Anne-Sophie Libert

17:00-17:15

Breaking cold Jupiter resonance chains with stellar flybys**Speaker**

Carolina Charalambous

17:15-17:30

ExoNAMD: a community tool to gauge multi-planetary systems**Speaker**

Andrea Bocchieri

17:30-17:45

The impact of internal versus external perturbations on close-in exoplanet architectures**Speaker**

Christina Schoettler

17:45-18:00

Numerical approach to second-order canonical perturbation theory in the planetary n-body problem**Speaker**

Aya Alnajjarine

18:00-18:15

Constraining the orbit of the retrograde planet in the ν Octantis system**Speaker**

Alan Signor

18:15

Friday 11 July

15:00

Stability and dynamics of planetary systems

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

15:00–15:15

Stability and dynamics of the compact planetary system K2-72

Speaker

Eduard Kuznetsov

15:15–15:30

Impact of Dynamical Tides on Planetary System Stability: Evolution of Multi-Planet Systems

Speaker

Leon Ka-Wang Kwok

15:30–15:45

The Orbital Eccentricity-Radius Relation for Planets Orbiting M Dwarfs

Speaker

Sheila Saguear

15:45