

Day 1 - Tidal effects and Habitability

9h15 – 10h05 J. Laskar - Key note lecture

10h05 – 10h40 E. Bolmont Dynamics of exoplanetary systems, links to their habitability

10h40 – 11h15 A. Correira : Tidal evolution of close-in exoplanets using a Maxwell viscoelastic rheology

Coffee break

11h45- 12h20 V. Lainey : Observational constraints on the tidal k_2/Q in the solar system

12h20- 12h55 C. Damiani: The role of tidal dissipation on the evolution of planetary systems

Lunch

14h25 – 15h00 S. Mathis : Tidal dissipation in stars and fluid planetary layers and their impact on the evolution of star-planet systems

15h00 - 15h35 G. Tobie: The tidal response of super-Earths and large icy worlds

16h10 – 16h45 F. Remus : Role of internal structure on the tidal dissipation of giant planets

Coffee break

17h15 – 17h50 D. Cebron : Tidally driven flows and magnetic fields due to the elliptical instability

17h50-18h25 R. Dvorak : Tides of encountering planetesimals

18h25-19h00 Discussion

Day 2 - Magnetic interactions and Habitability

9h00 - 9h50 A. Vidotto - Key note lecture

9h50 – 10h25 P. Zarka : Radio diagnostic of star-planet plasma interactions

10h25 – 11h00 A. Strugarek : On the diversity of magnetic star-planet interactions

coffee break

11h30- 12h05 F. Leblanc : Mars-solar wind interaction : coupling between hybrid, ionospheric, thermospheric and exospheric models

12h05 – 12h40 J. Varela : the effect of the interplanetary magnetic field orientation in the Hermean magnetosphere structure

Lunch

14h10-14h45 D. Nandy : Long-term Activity Evolution of the Sun-as-a-Star

14h45 – 15h20 C. Folsom : Stellar magnetism of planet-hosting stars

15h20 – 15h55 B. Fichtinger : Stellar winds of young solar-like stars and their mass loss

coffee break

16h30- 17h05 C. Johnstone : Influence of stellar wind on planet's atmosphere

17h05-17h50 Discussion

17h50- 19h30 Ice Breaker cocktail

Day 3 – Evolution and Habitability

(ISM, massive stars, cosmo/astrochemistry, comets, atmosphere, rotation...)

9h00 - 9h50 G. Ogilvie - Key note lecture

9h50 – 10h25 A. Palacios : how do stellar evolution and parameters influence the habitable zone ?

10h25 – 11h00 F. Forget : Modelling exoplanetary climates and habitability

Coffee break

11h30- 12h05 E. Meheut : Large scale vortices: the planets birthplace?

12h05 – 12h40 V. Minier : Initial conditions for habitability : the pre-stellar phase

Lunch

14h10-14h45 P.O. Lagage : JWST/Miri and the exo-planets program

14h45 – 15h20 E. Chassefiere : Initial conditions and early evolution of terrestrial planets

15h20 – 15h55 H. Massol : Thermal evolution of an early magma ocean in interaction with the atmosphere on terrestrial planets

Coffee break

16h30-17h05 F. Selsis : Impact of tidal heating on exo-planet atmosphere dynamics and chemistry

17h05 – 17h40 D. Bancelin : water delivery into circumprimary habitable zone and impact probabilities in the early phases of planetary systems in binary star systems

17h40-18h30 Discussion

Day 4 - Coupling all effects and habitability

9h00 - 9h50 N. Lanza - Key note lecture

9h50 – 10h25 K. Penev : POET : a secular evolution model of star-planet system

10h25 – 11h00 N. Prantzos : On Fermi paradox and Drake equation

Coffee break

11h30- 12h05 S. Vauclair : Influence of the accretion of planetary matter on the stellar chemical composition, and hydrodynamical consequences

12h05 – 12h40 J. Schneider : Extension of the habitability zones

Lunch

14h10-14h45 X. Abrevaya : The Exo-UV project : habitable stars and the characterization of UV radiation environment of extrasolar planets

14h45 – 15h20 N. Georgakarakos : Habitable zones in stellar binaries

15h20-15h55 Tremblin : Modeling UV photo-chemistry and clouds in the atmosphere of exoplanets

15h55 – 17h00: Discussion