

Conference Programme

Tuesday 31 March – morning

1. General session

Chair: Florian Debras

09:00–09:15	Atmospheric characterization of HIP 67522b with VLT/CRIRES+	Lavail Alexis
09:15–09:30	Atmospheric Wind Measurements as Probes of Magnetic Fields in Ultra-Hot Jupiters	Seidel Julia
09:30–09:45	HCN VUV Absorption Cross Sections at High Temperature for Warm Exoplanet Atmosphere Modeling	Collado Alexandro
09:45–10:00	Mapping the latitudinal variations of the atmospheres of brown dwarf and exoplanets	Charnay Benjamin (remote)
10:00–10:15	Next-Generation Exo-REM Atmosphere Models: Application to VHS 1256 b to Emulate Patchy Clouds	Radcliffe Alice
10:15–10:30	Three years of atmospheric characterization with NIRPS	Allart Romain
10:30–11:00	<i>Coffee Break</i>	

Chair: Antonio Garcia Munoz

11:00–11:15	Speeding-up atmospheric retrievals by linearising Mie theory	Voyer Maël
11:15–11:30	Calculation of the key influence of the planetary parameters on the size of the habitable zone	Chaverot Guillaume
11:30–11:45	Realistic modulations of star-planet magnetic interaction and associated Ohmic heating	Gourvès Clémence
11:45–12:00	Energetics of star–planet magnetic interactions	Paul Arghyadeep
12:00–12:15	A predictive framework for realistic star-planet radio emission in compact systems	Chebly Judy
12:15–12:30	Low-frequency radio emissions from stellar and exoplanetary systems	Zarka Philippe
12:30–12:40	Flash poster presentation	
12:40–14:00	<i>Lunch break</i>	

Tuesday 31 March – afternoon

Chair: Antoine Petit

14:00–14:15	Characterization of eleven transiting warm Jupiters with SOPHIE and TESS	Heidari Neda
14:15–14:30	Exoplanets demographics in the era of ELT	Mignon Lucile
14:30–14:45	Long-term follow-up and characterization of exoplanets from Antarctica with ASTEP, EX-TRASTEP and PLATO	Gauvrit Luke
14:45–15:00	Modelling the Milky Way exoplanet population	Padois Chloé

2. GAIA session

Chair: Florian Destriez

15:00–15:15	Exoplanets by the Thousands: A DR3 Glance at the Gaia DR4 Harvest	Flavien
15:15–15:30	The BINARYS tool	Babusiaux Carine
15:30–15:45	The Gaia spectroscopic catalogue of exoplanet and host star parameters	De Laverny Patrick (remote)
15:45–16:15	<i>Coffee Break</i>	

Chair: Flavien Kiefer

16:15–16:30	Cold Giants in the Gaia Era	Lagrange Anne-Marie
16:30–16:45	GAIA synergies with MICADO	Baudoz Pierre
16:45–17:00	A new population of giant planets around M dwarfs with Gaia	Destriez Florian
17:00–17:15	Preparation for Gaia DR4: simulations of epoch astrometry for non-single stars	Sivkova Katia
17:15–17:30	Exoplanet detection limits of Gaia DR4 astrometry	Nguyen Tung Lam
17:30–18:00	Discussion between participants	

Wednesday 1 April – morning

3. General session

Chair: Valentin Christiaens

09:00–09:15	First brown dwarf mid-infrared spectrum with VLTI/MATISSE: HD984B	Scigliuto Jules
09:15–09:30	FIRST-PL: Hα differential imaging of protoplanets with a visible photonic lantern	Huby Elsa
09:30–09:45	SAXO+: a technology demonstrator and science precursor for PCS	Boccaletti Anthony
09:45–10:00	Exoplanet interferometry in the mid-infrared with MATISSE	Mathis Houllé
10:00–10:15	Gone with the wind: the outward migration of eccentric giant planets in wind-launching disks	Wafflard-Fernandez Gaylor
10:15–10:30	On the preferential locations for planet formation in protoplanetary disks	Villenave Marion
10:30–11:00	<i>Coffee Break</i>	

Chair: Quentin Kral

11:00–11:15	Secondary gas discs in warm exo-asteroids belts	Huet Paul
11:15–11:30	Unveiling the composition of inner disks with JWST to enable the interpretation of planetary atmospheres	Tabone Benoît
11:30–11:45	What causes the dust's asymmetric emission in the inner parts of protoplanetary disks seen by the VLTI?	Evelain Siméo
11:45–12:00	Observational and experimental results on the debris disk around HR 4796	Bonduelle Myriam
12:00–12:15	The GPI reanalysis with PACO: the largest survey of young stars to date	Mazoyer Johan
12:15–12:30	Nouvelles détections de planètes et dernières nouvelles du programme SPIRou	Paul Charpentier
12:30–12:45	Composition and dynamics of exocomets around Beta Pic	Théo Vrignaud
12:45–14:15	<i>Lunch break</i>	

Wednesday 1 April – afternoon

4. Magma oceans and sub-Neptunes session

Chair: Sébastien Charnoz

14:15–14:25	Introduction	Sébastien Charnoz
14:25–15:05	Invited talk: Thermodynamics of miscibility and its implications for the structure of sub-Neptunes	Sossi Paolo
15:05–15:20	3D simulation of 55 Cnc e’s climate and clouds	Maurice Maxime (remote)
15:20–15:35	Convection inhibition in the atmosphere of mini-Neptune planets: implications for K2-18b like planets	Leconte Jeremy
15:35–15:50	Diverging Sub-Neptune Radii from coupled Water Dissolution in Magma Oceans and Photoevaporation	Burn Remo
15:50–16:20	<i>Coffee Break</i>	

Chair: Jérémy Leconte

16:20–16:35	Vibrationally excited H₂ mutes the He I triplet line at 1.08 μm on warm exo-Neptunes	Garcia Munoz Antonio
16:35–16:50	Investigating aerosols as a way to reconcile K2-18 b JWST MIRI and NIRISS/NIRSpec observations	Jaziri Adam Yassin
16:50–17:05	Modeling the atmospheres of magma ocean hosting exoplanets and their characterisation using high-resolution spectroscopy	Dash Spandan
17:05–17:20	Surface properties of the day and night sides of K2-141 b	Le Losq Charles
17:20–17:35	Water-rich atmospheres under variable XUV: the case of Proxima Centauri b	Damonte Andrea
17:35–17:50	A decade of monitoring HIP 41378, a transiting multi-planetary system	Grouffal Salomé
17:50–18:05	Interactions between the atmosphere and the underlying magma oceans in large exoplanets	Caracas Razvan

Thursday 2 April – morning

5. Table ronde (French)

Chairs: Mickael Bonnefoy & Sophia Sulis

09:00–09:20	La mission spatiale PLATO: démographie et évolution des systèmes planétaires	Magali Deleuil
09:20–09:45	Caractérisation des atmosphères d'exoplanètes avec le JWST et Ariel	Pierre-Olivier Lagage
09:45–10:10	Observations vers le bulbe galactique & Coronographe Roman	Clément Ranc & Arthur Vigan
10:10–10:30	Spectroscopie haute résolution et sciences des Exoplanètes en France	Xavier Delfosse
10:30–10:50	Interférométrie pour les exoplanètes : aujourd'hui, et ensuite ?	Florentin Millour
10:50–11:20	<i>Coffee Break</i>	
11:20–12:30	Table ronde	All participants
12:30–13:50	<i>Lunch break</i>	

Thursday 2 April – afternoon

6. Session communautaire (French)

Chair: Nadège Meunier

13:50–14:15 AT-EXOS
14:15–14:40 Groupe Transition environnementale de la CSAA
14:40–15:15 Accompagnement scientifique au CNES
15:15–15:40 Evolution des SNOs
15:40–16:00 PEPR

Mickael Bonnefoy & Sophia Sulis
Alexandre Santerne
Christian Mustin
Franck Le Petit
Maud Langlois

Fin de la conférence