

PROGRAM

Sunday, 25th February

15h00 – 20h00 *Registrations at Seagull Hotel.*
19h00 – 21h00 *Welcome drink then buffet dinner at Seagull Hotel.*

Monday, 26th February

8h30 *Departure of the first bus from Seagull Hotel to ICISE.*
8h45 *Departure of the last bus from Seagull Hotel to ICISE.*
8h45 – 9h20 *Registrations and posters installation.*

Opening ceremony

9h20 – 9h30 *Welcome address by **Jean Tran Thanh Van**, Head of Rencontres du Vietnam.*
9h30 – 9h40 *Welcome addresses by **Ho Quoc Dung**, President of the Binh Dinh Province of Vietnam.*
9h40 – 9h50 *Research in exoplanetary science,
Meeting presentation and practicalities by **Guillaume Hébrard**, SOC Chair.*

9h50 – 10h00 *Group picture outside.*
10h00 – 10h50 *Coffee break and posters installation.*

Morning Chair: Roger Ferlet.

Session I: Circumstellar material and imaged planets.

10h50 – 11h30 **Eiji Akiyama** (National Astronomical Observatory of Japan):
Observations of protoplanetary discs: pathway to planet formation (Invited review).
11h30 – 11h50 **Olja Panic** (University of Leeds):
Secrets of giant planet formation: Massive Herbig-Ae discs.
11h50 – 12h10 **Taichi Uyama** (University of Tokyo):
Search for Accretion Signatures of Exoplanets within TW Hya Transitional Disk.
12h10 – 12h30 **Alain Lecavelier des Étangs** (Institut d'astrophysique de Paris):
Exocomets.

12h30 – 14h00 *Lunch break.*

Afternoon Chair: Jack Lissauer.

14h00 – 14h40 **Anne-Marie Lagrange** (Institut de Planétologie et d'Astrophysique de Grenoble):
Results from directly imaged planets (Invited review).
14h40 – 15h00 **Henriette Schwarz** (UC Santa Cruz):
Spinning worlds: the rotation of young gas giants and brown dwarf companions.
15h00 – 15h30 *Coffee break and posters display.*

- 15h30 – 15h50 **Ryan Garland** (University of Oxford):
Bayesian Atmospheric Retrievals of Ultracool Late-T and Early-Y dwarfs.
- 15h50 – 16h10 **Jonathan Gagné** (Carnegie DTM):
Young stars and isolated planetary-mass objects in the Solar neighborhood.
- 16h20 – 18h00 *Bus transfers from ICISE to Seagull Hotel.*

Tuesday, 27th February

- 7h45 *Departure of the first bus from Seagull Hotel to ICISE.*
- 8h00 *Departure of the last bus from Seagull Hotel to ICISE.*

Morning Chair: Norio Narita.

Session II: Exoplanets detected and characterized through RVs and transits.

- 8h30 – 9h10 **Claire Moutou** (Canada-France-Hawaii Telescope):
High precision radial velocities in optical and infrared (Invited review).
(NB: the talk prepared by C. Moutou is presented by G. Hébrard on behalf of her.)
- 9h10 – 9h30 **Antoine Grandjean** (Institut de Planétologie et d'Astrophysique de Grenoble):
HARPS survey result on close-by young star radial velocity.
- 9h30 – 9h50 **Richard Hall** (University of Cambridge):
The Terra Hunting Experiment: demonstrating the feasibility of intense radial velocity surveys for Earth-twin discoveries.
- 9h50 – 10h10 Posters quick presentations 1/2 (*Chair: Alain Lecavelier des Étangs*).
- 10h10 – 10h50 *Coffee break and posters display.*
- 10h50 – 11h10 **Carole Haswell** (The Open University):
Finding low mass planets orbiting bright, nearby stars: the Dispersed Matter Planet Project.
- 11h10 – 11h30 **Ryan Cloutier** (University of Toronto):
Discovering the closest habitable worlds: planet detection predictions for the SPIRou Legacy Survey planet Search.
- 11h30 – 11h50 **Heather Cegla** (University of Geneva):
The Rossiter-McLaughlin effect reloaded: 3D orbital architectures and spatially-resolved stellar spectrums down to the coolest host stars.
- 11h50 – 12h10 **John Livingston** (University of Tokyo):
New Planets from K2.
- 12h10 – 12h30 **Jiwei Xie** (Nanjing University):
The scientific impact of the LAMOST on exoplanet research.
- 12h30 – 14h00 *Lunch break.*

Afternoon Chair: Tobias C. Hinse.

- 14h00 – 14h40 **Amaury Triaud** (University of Birmingham):
TRAPPIST-1 and other planetary systems around low-mass stars (Invited review).
- 14h40 – 15h00 **Quentin Kral** (Institute of Astronomy in Cambridge):
Effects of impacts on the TRAPPIST-1 planets.
- 15h00 – 15h20 **Jason Dittmann** (MIT):
LHS 1140b: A temperate super-Earth around a nearby M dwarf.
- 15h20 – 17h30 *Fruits party on the beach.*
- 16h30 – 18h30 *Bus transfers from ICISE to Seagull Hotel.*

Wednesday, 28th February

8h15 *Departure of the first bus from Seagull Hotel to ICISE.*
8h30 *Departure of the last bus from Seagull Hotel to ICISE.*

Morning Chair: Diana Dragomir.

9h00 – 9h40 **Jack Lissauer** (NASA Ames Research Center):
Multi-planetary systems: Observations and models of dynamical interactions (Invited review).
9h40 – 10h00 **Lea Hirsch** (University of California Berkeley):
Planets in binary systems: assessing the impacts of stellar companions on planet formation and evolution.
10h00 – 10h20 Posters quick presentations 2/2 (Chair: Alain Lecavelier des Étangs).
10h20 – 10h50 *Coffee break and posters display.*

Session III: Internal structures and atmospheres of planets.

10h50 – 11h30 **Leslie Rogers** (University of Chicago):
Internal structures from terrestrial to giant planets: observations and models (Invited review).
11h30 – 11h50 **Jay Farihi** (University College London):
Observations of planetary bulk compositions.
11h50 – 12h10 **Stéphane Mazevet** (Observatoire de Paris):
Ab initio equation of states for planetary and exoplanetary modeling : the case of Jupiter.
12h10 – 13h30 *Lunch at the ICISE.*
13h30 – 13h45 *Bus transfer from ICISE to Seagull Hotel.*
14h00 – 17h00 *Free afternoon, excursions.*

Thursday, 1st March

8h25 *Departure of the first bus from Seagull Hotel to ICISE.*
8h40 *Departure of the last bus from Seagull Hotel to ICISE.*

Morning Chair: Alain Lecavelier des Étangs.

9h10 – 9h50 **David Ehrenreich** (Geneva University):
Observations and theories for atmospheres of transiting planets (Invited review).
9h50 – 10h10 **Mau Wong** (NASA/JPL/CALTECH):
Saturn's upper atmospheric density profile from Doppler data during Cassini proximal orbits, with exoplanet perspective.
10h10 – 10h30 **Lorenzo Pino** (Geneva Observatory):
Combining low- to high-resolution transmission spectroscopy of hot jupiters.
10h30 – 11h10 *Coffee break and posters display.*
11h10 – 11h30 **Diana Powell** (University of California):
Formation of titanium and silicate clouds on hot jupiters.
11h30 – 11h50 **Leonardo A. dos Santos** (Geneva Observatory):
Observability of Earth's exosphere in an extrasolar system.
11h50 – 12h10 **Jayne Birkby** (University of Amsterdam):
MEASURE: the MMT Exoplanet Atmosphere SURvEy.
12h10 – 12h30 **Aurélien Wyttenbach** (Geneva Observatory):
Ground-based observations of hot jupiter thermospheres: first insight and challenges.
12h30 – 14h00 *Lunch break.*

Afternoon Chair: Sujan Sengupta.

Session IV: Planetary populations, habitability.

- 14h00 – 14h40 **Shigeru Ida** (Earth-Life Science Institute in Tokyo):
Dependence of predicted exoplanet distributions on theoretical models (Invited review).
- 14h40 – 15h00 **Vincent Van Eylen** (Leiden Observatory):
Understanding planet formation through asteroseismology.
- 15h00 – 15h30 *Coffee break and posters display.*
- 15h30 – 16h10 **Jérémy Leconte** (Laboratoire d'Astrophysique de Bordeaux):
Habitable planets: properties, environment, and detections (Invited review).
- 16h10 – 16h30 **Akifumi Nakayama** (University of Tokyo):
Dichotomy of planetary climate on water-rich terrestrial planets in the habitable zone.
- 16h30 – 18h00 *Visit of the ongoing Explorascience museum (explorascience.vn).*
- 16h40 *Departure of the bus from ICISE to Seagull Hotel.*
- 18h10 *Departure of the bus from Seagull Hotel to ICISE.*
- 19h00 – 22h00 *Conference dinner at ICISE.*
- 22h30 *Departure of the bus from ICISE to Seagull Hotel.*

Friday, 2nd March

- 7h45 *Departure of the first bus from Seagull Hotel to ICISE.*
- 8h00 *Departure of the last bus from Seagull Hotel to ICISE.*

Morning Chair: Eiji Akiyama.

Session V: Methods, tools, and future instruments for exoplanetology.

- 8h30 – 9h10 **René Doyon** (Université de Montréal):
Future instruments for exoplanets detection and characterization (Invited review).
- 9h10 – 9h30 **Benjamin Montet** (University of Chicago):
Improving the detection efficiency of small planets in transit and radial velocity searches with data-driven approaches.
- 9h30 – 9h50 **Shay Zucker** (Tel Aviv University):
Shallow transits - deep learning: harnessing the full power of artificial intelligence to detect habitable exoplanets.
- 9h50 – 10h10 **Sujan Sengupta** (Indian Institute of Astrophysics):
Polarisation as a potential tool to detect exoplanets and exomoons.
- 10h10 – 10h50 *Coffee break and posters display.*
- 10h50 – 11h10 **Diana Dragomir** (MIT):
Maximizing the TESS mission's yield of long-period planets.
- 11h10 – 11h30 **Christian Veillet** (Large Binocular Telescope Observatory):
Instrumental Developments and Exoplanetary Science at LBT/O.
- 11h30 – 11h50 **Jens Hoeijmakers** (Geneva Observatory):
Molecule mapping with SINFONI and the future of exoplanet characterization in the ELT era.
- 11h50 – 12h10 **Norio Narita** (University of Tokyo):
MuSCAT and MuSCAT2 for detection and characterization of transiting exoplanets.
- 12h10 – 12h30 Conclusions by **Guillaume Hébrard**, SOC Chair.

12h30 – 14h00	<i>Farewell lunch.</i>
13h30 – 14h00	<i>Posters removing, transfer from ICISE to Seagull Hotel.</i>
19h00	<i>Departure of the bus from Seagull Hotel to a restaurant in Quy Nhon downtown.</i>
19h30 – 20h30	<i>Farewell diner at Bánh Xèo Tôm Nhảy Gia Vỹ - Diên Hồng.</i>
20h45	<i>Return to Seagull Hotel in bus.</i>

List of posters:

1. **Shweta Dalal** (Institut d'astrophysique de Paris):
Giant planets survey with SOPHIE at OHP.
2. **Sebastian Danielache** (Sophia University):
PATMO a photochemical model for the implementation of chemical networks and its application to exo-atmospheres.
3. **Nguyen-Thanh Dat** (Viet Nam National University Ho Chi Minh City):
A search for debris disks around nearby late-M dwarfs using the James Clerk Maxwell Telescope.
4. **Jerome De Leon** (University of Tokyo):
Detection of Rayleigh scattering feature in the atmospheres of low density exoplanets.
5. **Vedad Hodzic** (University of Birmingham):
Amelie: Tool for fitting photometry and RVs of transiting planets and eclipsing binary systems.
6. **Ko Hosokawa** (SOKENDAI/NAOJ):
High resolution spectrometer for approaching the atmosphere of exoplanets.
7. **Yuichi Ito** (The University of Tokyo):
Hydrodynamic escape of mineral atmosphere from hot rocky exoplanet.
8. **Yui Kawashima** (The University of Tokyo):
Possible origin of diverse transmission spectra of warm transiting exoplanets: Growth and settling of hydrocarbon haze produced via UV irradiation.
9. **Roxana Lupu** (BAER Institute/NASA Ames):
Model atmospheres for volatile-rich hot rocky planets.
10. **Valerio Nascimbeni** (Università di Padova):
SCOLOPENDRA pipeline: unveiling exoplanetary atmospheres through differential spectro-photometry.
11. **Julia Victoria Seidel** (University of Geneva):
Revealing thermospheres of exoplanets from observations.
12. **Noriharu Watanabe** (SOKENDAI-GUAS):
Doppler tomographic measurement for the planetary orbital precession of WASP-33b.