

In the Spirit of Lyot @ Leiden 2022 Schedule

Monday 27th June

Time	Speaker	Title
9:30 - 10:45	<i>Registration, poster setup & morning coffee</i>	
10:45 - 11:00	Nienke van der Marel & Matthew Kenworthy	Welcome talk
11:00 - 11:40	Robert de Rosa	Direct Imaging of Exoplanets: From the past to the future
11:40 - 12:00	Maissa Salama	Large Adaptive Optics Survey for Substellar Objects (LASSO) Around Young Nearby Low-Mass Stars
12:00 - 12:20	Markus Janson	Hear ye! Tidings of the BEAST
12:20 - 13:40	<i>Lunch break</i>	
13:40 - 14:00	Thayne Currie (Julien Lozi)	The SCExAO Direct Imaging Search for Planets Around Accelerating Stars
14:00 - 14:20	Sylvestre Lacour	Spectrum, astrometry, and new detections: a trove of possibilities offered by optical interferometry
14:20 - 14:40	Carl-Henrik Dahlqvist	The SHARDDS Survey: Limits on Planet Occurrence Rates Based on Point Sources Analysis via the Auto-RSM Framework
14:40 - 15:00	Mathilde Mâlin	Atmospheric characterization of exoplanets with the medium resolution spectrometer on MIRI/JWST
15:00 - 15:40	<i>Afternoon coffee</i>	
15:40 - 16:20	Sarah Kendrew	Exoplanet science with the James Webb Space Telescope
16:20 - 16:40	Sasha Hinkley (Elisabeth Matthews)	High Contrast Imaging of Exoplanets and Exoplanetary Systems with JWST
16:40 - 17:00	Tim Pearce	The outer-planet population inferred from a large sample of debris discs
17:00 - 19:00	<i>Opening reception @Scheltema</i>	
20:00	<i>Astronomy on Tap @Grand Cafe de Burcht with talks from Kate Follette and Gael Chauvin</i>	

Tuesday 28th June

Time	Speaker	Title
9:00 - 9:40	Grant Kennedy	Circumstellar and Circumplanetary Disks
9:40 - 10:00	Evan Rich	Gemini-LIGHTS: a survey of Herbig Ae/Be and massive T-Tauri protoplanetary disks imaged with Gemini Planet Imager
10:00 - 10:20	Schuyler Wolff	Digging Deep with HST+JWST on Archetypal debris disks; Epsilon Eridani, Fomalhaut and Vega
10:20 - 11:00	<i>Morning coffee</i>	
11:00 - 11:20	Nick Oberg	Circumplanetary Disks in the Mid-Infrared with METIS
11:20 - 11:40	Hans Martin Schmid	Quantitative polarimetry of circumstellar dust with high contrast observations
11:40 - 12:00	Ryo Tazaki	Characterization of complex-shaped dust aggregates in planet-forming disks by optical and near-infrared observations
12:00 - 12:20	Sarah Betti	Detection of Near-infrared Water Ice at the Surface of the (Pre)Transitional Disk of AB Aur
12:20 - 13:40	<i>Lunch break & Early career event</i>	
13:40 - 14:00	Christian Ginski	SPHERE-DESTINYS: Imaging the cradles of planet formation
14:00 - 14:20	Katie Crotts	A Multi-Wavelength Study of the Extreme Debris Disk Around HD 111520
14:20 - 14:40	Gabriele Cugno	Revealing the population of forming giant planets
14:40 - 15:00	Nienke van der Marel	The impact of icy dust transport and dust traps on exoplanet atmospheres
15:00 - 15:40	<i>Afternoon coffee</i>	
15:40 - 16:00	Dorian Demars	Emission line variability of young accreting planet and brown-dwarf companions
16:00 - 16:20	Gabriel-Dominique Marleau	Accreting protoplanets: Spectral signatures and extinction of gas and dust extinction at H α
16:20 - 16:40	Stefan Kraus	Exoplanet Spectroscopy and Planetary System Architectures with the VLT/BIFROST instrument
16:40 - 17:00	Carles Cantero	Using local noise statistics to improve the supervised learning of exoplanets detection

Wednesday 29th June

Time	Speaker	Title
9:00 - 9:40	Faustine Cantaloube	Algorithms for High Contrast Imaging
9:40 - 10:00	Kate Follette	Robust Detection and Interpretation of Accreting Protoplanet Signals
10:00 - 10:20	Markus Johannes Bonse	Comparing Apples with Apples: Statistically sound Detection Limits for Exoplanet High Contrast Imaging
10:20 - 11:00	<i>Morning coffee</i>	
11:00 - 11:20	Antoine Chomez	Improving detection limits on direct imaging: The PACO algorithm performances
11:20 - 11:40	Bin Ren	Total intensity circumstellar disk imaging from data imputation: towards optimal extraction of disks for planet-disk dis
11:40 - 12:00	Sarah Steiger	The MKID Exoplanet Camera (MEC) for Subaru SCExAO: Using Stochastic Speckle Discrimination for High-Contrast Imaging wit
12:00 - 12:20	Rico Landman	Trade-offs in high-contrast integral field spectroscopy for exoplanet detection and characterisation
12:20 - 13:40	<i>Lunch break</i>	
13:40 - 14:00	Nour Skaf	Structures in the Beta Pictoris disk at 12 um with NEAR-VISIR
14:00 - 14:20	Christian Marois	Deployment of focal plane WFS technologies on 8-m telescopes: from the Subaru SPIDERS pathfinder, to the facility-class
14:20 - 14:40	Kevin Barjot	First light of the upgraded FIRST visible fibered interferometer at the Subaru telescope
14:40 - 15:00	Olivier Guyon	High Contrast Imaging at the Photon Noise Limit with WFS-based PSF Calibration
15:00 - 15:40	<i>Afternoon coffee</i>	
15:40 - 16:00	Rob van Holstein	Expanding the polarimetric capabilities of SPHERE-IRDIS to uniquely characterize the formation environments of planets
16:00 - 16:20	Sebastiaan Haffert	Observing giant planet accretion kinematics with MagAO-X and the Visible Integral Field spectrograph eXtreme (VIS-X)
16:20 - 16:40	Steph Sallum (Deno Stelzer)	Thermal Infrared Exoplanet Science with SCALES and PSI-Red
16:40 - 17:00	Daniel Echeverri	Vortex Fiber Nulling Demonstration with the Keck Planet Imager and Characterizer
18:00	<i>Conference dinner @Scheltema</i>	

Thursday 30th June

Time	Speaker	Title
9:00 - 9:20	Mona El Morsy	Development of a prototype instrument for the direct characterization of young giant exoplanets
9:20 - 9:40	Jules Dallant	A new PACO based method to push the exoplanets detection limits and to estimate their orbital parameters simultaneously
9:40 - 10:00	Quinn Konopacky	The Development of HISPEC for Keck and MODHIS for TMT
10:00 - 10:20	Olivier Absil	Final design and expected performance of the METIS high-contrast imaging modes
10:20 - 11:00	<i>Morning coffee</i>	
11:00 - 11:20	Elisabeth Matthews	Dynamical Masses and Spectroscopic Analysis of Brown Dwarfs: long-period companions with RVs and high contrast imaging.
11:20 - 11:40	Kyle Franson	Searching for Planets and Brown Dwarfs around Young Accelerating Stars
11:40 - 12:00	Rachel Bowens-Rubin	The tale of the Wolf 359b campaign: combining high-contrast imaging and RV data to study a cold Neptunian exoplanet
12:00 - 12:20	Lucie Leboulleux	Socio-demographic study of the high-contrast imaging community
12:20 - 13:40	<i>Lunch break</i>	
13:40 - 14:00	Emily Rickman	Precise Dynamical Masses of New Directly Imaged Companions from Combining Relative Astrometry, Radial Velocities, and Hi
14:00 - 14:20	Kevin Wagner	Imaging Habitable-Zone Exoplanets with Mid-Infrared Coronagraphy
14:20 - 14:40	Jared Males	The potential, and limits, of high contrast imaging with the ELTs
14:40 - 15:00	Nemanja Jovanovic	Phase II of the Keck Planet Imager and Characterizer: System-level Laboratory Characterization and Preliminary On-Sky Co
15:00 - 15:40	<i>Afternoon coffee</i>	
15:40 - 16:00	Raphael Galicher (Anthony Boccaletti)	Upgrading the high contrast imaging facility SPHERE: science drivers and instrument choices
16:00 - 16:20	Saavidra Perera	Upgrading the Gemini Planet Imager to GPI 2.0
16:20 - 16:40	Michael Fitzgerald	The Planetary Systems Imager for TMT: Overview and Status
16:40 - 17:00	Dan Sirbu	Exoplanet Yield Sensitivity for the Hybrid Lyot Coronagraph from end-to-end modeling for LUVUIR-A

Friday 1st July

Time	Speaker	Title
9:00 - 9:40	Marta Bryan	Characterizing Gas Giants Using High-Resolution Spectroscopy
9:40 - 10:00	Garima Singh	End-to-end high-contrast imaging simulations with the LLOWFS and FAST sensors for TMT
10:00 - 10:20	Jean-Baptiste Ruffio	High resolution spectroscopy of directly imaged exoplanets with KPIC
10:20 - 11:00	<i>Morning coffee</i>	
11:00 - 11:20	Evert Nasedkin	Four of a Kind: A Systematic Characterization of the HR8799 planets.
11:20 - 11:40	Simon Petrus	X-SHYNE: a new sample of young, cold, low-mass planetary analogs
11:40 - 12:00	Beth Biller	Variability of Young, Giant Exoplanets : Opportunity or Obstacle?
12:00 - 12:20	Matthew Kenworthy & Nienke van der Marel	Closing remarks