



Preliminary Conference Programme*

Discs on the Exe

From protostellar discs to debris discs and planets

*The programme is subject to change in the coming weeks, depending on speakers' availability and scheduling constraints.

The conference venue will be at the Forum, located in the middle of the Streatham Campus ([Location](#)). The main sessions will be hosted in the Alumni Auditorium, while two more adjacent rooms will be used for the parallel sessions.

Sunday 26 July 2026

Evening reception, details TBC

Monday 27 July 2026

8:30	Registration
8:45	Welcome
	Class 0/I session 1, Chair: John Tobin
9:00	Review I - Merel van 't Hoff
9:30	Probing Accretion and Multiplicity in Massive Young Stellar Objects with VLTI - Maria Koutoulaki
9:45	Large Nonthermal Velocity Dispersion in the Outer Disk of HL Tau - Jinshi Sai
10:00	Does the environment affect the planet formation? - Camilo González-Ruilova
10:15	Unveiling planet forming discs with the Square Kilometre Array - Anastasia Topalidou
10:30	Coffee break
	Class 0/I session 2, Chair: Yusuke Tsukamoto
11:00	Review II - Michael Küffmeier
11:30	Protostellar Disk Formation with Non-Ideal Magnetohydrodynamics and Jet Feedback - Nina Filippova

11:45	Evidence for Gravitationally Unstable Disks Toward Orion Protostars - John Tobin
12:00	The interplay between infall and gravitational instability - Cristiano Longarini
12:15	Gravitational instability in the youngest discs - Alison Young
12:30	Lunch (included with the registration)
	Protoplanetary structures and evolution, session 3, Chair: Paola Pinilla
14:00	Review I - Coco Zhang
14:30	Gaps and rings: A near-universal trait of extended protoplanetary discs - Quincy Bosschaart
14:45	The full NIR census. Disks and environment across regions and time - Antonio Garufi
15:00	Tracing vertical variations of turbulence from molecular line ALMA observations of protoplanetary disks - Teresa Paneque-Carreño
15:15	JWST Imaging of Edge-on Protoplanetary Disks: Dust Evolution, Disk Structure, and a new Path to Ice Abundances - Francois Menard
15:30	Coffee break
	Protoplanetary structures and evolution, session 4, Chair: Til Birnstiel
16:15	Review I - Giovanni Rosotti
16:45	The Impact of Late-stage Infall on Protoplanetary disk Structure and Evolution - Jibin Joseph
17:00	Runaway planetesimal formation in turbulent dust rings driven by a dust growth–concentration feedback loop - Ziyang Xu
17:15	DEMOS: understanding disc evolution models from observed demographics - Lorenzo Malanga
17:30	Poster session

Tuesday 28 July 2026

	Planet-Disc interaction, session 5, Chair: Zhaohuan Zhu
9:00	Review I - Sebastián Pérez
9:30	Substructure formation in the PDS 70 disk - Daniel Daza Valdebenito
9:45	Insights on planet-disc interactions from the deepest ALMA observations of PDS 70 to date - Francesco Zagaria
10:00	Modified gas dynamics via solid back-reaction and its implications for the migration of low-mass planets in dusty discs - András Németh

10:15	A multifluid approach for pebble accretion - Tom Konijn		
10:30	Coffee break		
	Planet-Disc interaction, session 6, Chair: Sebastián Pérez		
11:00	Review II - Jaehan Bae		
11:30	Global View of Circumplanetary Disk from a Dilated-evolution Method - Yu Wang		
11:45	Accretion onto CPDs and from CPDs onto planets: Observations and theory - Gabriel-Dominique Marleau		
12:00	Spectroscopic Confirmation of the Planet WISPIT 2c - Chloe Lawlor		
12:15	A promising unique CPD candidate in the Eta Cha Association - Felipe Alarcón		
12:30	Lunch (included with the registration)		
	Parallel, session 7		
	Class 0/I	Structures & evolution	Planet-disc interaction
14:00	Mining the ALMA Archive: Building a Catalog of Structured Young Protostellar Disks - Lance Schonberg	What can we learn about dust growth from ubiquitous dust rings? - Simon Tong	Imaging and characterizing forming exoplanets in their birth environment - Justin Latour
14:15	Dust and Gas Properties of All Known Embedded Class 0/I Disks in Taurus - Noshin Yesmin	Compact CO emission and no evidence of radial drift. ALMA observations of the faintest planet-forming disks - Giulia Ricciardi	Using Gaia astrometry to identify planets and companions around Young Stellar Objects - Miguel Vioque
14:30	Dust Substructure Impacting Dust Diffusion: A Tale of Two Disks - Sarah Sadavoy	A VLT/MUSE Survey for Accreting Planets/jets/winds in 67 Protoplanetary Disks - Zhuhai Li	JWST/NIRCam constraints on planetary perturbers in seven nearby debris disc systems - Vito Squicciarini
14:45	Planetesimal formation during the buildup of protoplanetary disks with substructure - Michael Hammer	Probing the inner disk wind of RU Lup with the fluorescence molecular hydrogen - Dominika Itrich	The Future is Now: Protoplanetary Disks with ELT/METIS - Iain Hammond
15:00	Evolution of dust in a protoplanetary disc driven by stellar flybys: implications for the streaming instability - Wei-Shan Su	Model-Independent 3D Mapping of Mid-Inclination Protoplanetary Disks - Jensen Lawrence	Direct Imaging of Protoplanet Candidates in Protoplanetary Disks Using VLT/ERIS NIX L-band Observation - Swastik Chowbay
15:15	Evidence for Dust Grain Growth in the Class I	A fast tree algorithm for multi-component	Radio emission mechanisms from

	Protostellar Disk IRS 63 from Polarized Emission - Audrey Burggraf	coagulation equation - Taichi K. Watanabe	protoplanet PDS70c - Simon Casassus
15:30	Coffee break		
	Parallel, session 8		
	Class 0/I	Structures & evolution	Planet-disc interaction
16:15	Disk-Surface Avalanche Accretion as a Trigger of FU Orionis-type Outbursts - Yisheng Tu	Discs of PEBBLEs - Jane Greaves	The complex kinematic structure of GQ Lup - Pietro Pirola
16:30	The Dynamic Inner Disks of Variable Accretors with VLTI - Aaron Labdon	Multi-frequency analysis of protoplanetary disks: Constraining dust mass across evolutionary classes - Prachi Chavan	A Stellar Flyby in Action: Untangling the Dynamics of HD 141569's Hybrid Disc - Arcelia Hermosillo Ruiz
16:45	A Dust-Embedded Substellar Companion Candidate Formed by Gravitational Instability in the FUor System V960 Mon - Anuroop Dasgupta	Can planets form in the rings of protoplanetary disks? - Elena Viscardi	IRAS 04125: the misaligned puzzle - Rebecca Nealon
17:00	Planetesimal Formation during Disc Formation across the Stellar Mass Spectrum - Joe Williams	Probing Pebbles in Protoplanetary Disks with ALMA Band 1 - James Miley	The Arc in the DX Cha Circumbinary System: Evidence For a Retrograde Circumbinary Disk - Cheng Chen
17:15	A Plausible Pathway to CAI-formation in the Early Solar Nebula - Peter Woitke	Characterizing dust in protoplanetary disks with quantitative polarimetry - Jie Ma	INSECT: Investigating the NaScint Environment of Circumbinary planets - Camila Pulgarés
17:30	Evening break		
18:30	BBQ dinner		

Wednesday 29 July 2026

	Disc Chemistry, session 9, Chair: Ted Bergin
9:00	Review I - Catherine Walsh
9:30	Toward the First Comprehensive Picture of Vertical Chemical Structure Across a Sample of Protoplanetary Disks - Romane Le Gal
9:45	DECO reveals C/O ratio trends as traced by large hydrocarbons - Lucy Evans

10:00	Revisiting the Physical and Chemical Structure of HD 163296 using an Extensive Suite of ALMA Molecular Lines: Mapping the Building Blocks of Giant Planets - Parashmoni Kashyap
10:15	Setting the stage for molecular complexity: detecting the water snowline with ALMA - Luna Rampinelli
10:30	Coffee break
	Disc chemistry, session 10, Chair: Melissa McClure
11:00	Review II - Sierra Grant
11:30	Two's company: a second detection of refractory solid condensation from a thermostat region in an embedded protostar - Femke Ballieux
11:45	Young disks with JWST/MIRI: dissecting physical components at the onset of planet formation - Łukasz Tychoniec
12:00	A JWST census of inner-disk organics: Linking disk chemistry to accretion and pebble drift - Maria Jose Colmenars
12:15	Born in ice and steam - Valentin Christiaens
12:30	Packed lunch (included with the registration)
	Free afternoon with optional excursions

Thursday 30 July 2026

	Disc dispersal, session 11, Chair: Sebastiaan Krijt
9:00	Review - Ryohei Nakatani
9:30	Using JWST H2 observations to constrain external photoevaporation in the ONC - Raphael Meshaka
9:45	Mapping Proplyd Outflows with JWST/NIRSpec - Nick Ballering
10:00	Beyond vanilla external photoevaporation: What processes sculpt the Trumpler 14 proplyds? - Tyger Peake
10:15	A NIRSpec survey of proplyds. How do planet-forming discs react to external UV radiation? - Ciarán Rogers
10:30	Coffee break
	Disc dispersal, session 12, Chair: TBD
11:00	Precise determination of protoplanetary disc lifetimes and accretion timescales in a single star-forming region - Fabian Polnitzky
11:15	Investigating the Limits of Primordial Disc Survival: Discovery of Accreting "Peter Pan" Discs in 10–100 Myr Clusters - Gregory Ben

11:30	Are discs around Herbig stars primordial? - Andrew Winter		
11:45	Formation of Multiple Dynamical Classes in the Kuiper Belt via Disk Dissipation - Tommy Chi Ho Lau		
12:00	Debris Disc Formation via External Photoevaporation - Heather Johnston		
12:15	Effects of stellar X-ray photoevaporation on planetesimal formation via the streaming instability - Xuchu Ying		
12:30	Lunch (included with the registration)		
	Parallel session 13		
	Structures & evolution	Disc chemistry	Disc Dispersal
14:00	Dynamical and Thermodynamical Roles of Shadows in Protoplanetary Disks - Shangjia Zhang	The evolution of discs through their chemistry: comparing models with JWST observations of Class I & II discs - Andrew Sellek	The Transition Disc Illusion: How 2D Photoevaporation Traps Dust Without Clearing Gas - Giovanni Picogna
14:15	Spirals, rings, and vortices shaped by shadows in protoplanetary disks - Alexandros Ziampras	Chemical Divergence and Water Depletion: Gas Properties of Evolved Upper Scorpius Disks Revealed by JWST/MIRI - Eshan Raul	Accretion and disk evolution across environments: insights from a VLT/X-Shooter survey in Orion A - Lara Píscarreta
14:30	Dusty warps in the local frame: instability and fast clumping - Hossam Aly	When You Form a Planet Is Important: An Age Dependent Study of JWST Spectra Throughout Planet Formation - Abygail Waggoner	Unveiling Wide-Angled H ₂ Winds and Collimated Fine-Structure Jets from the Edge-on Disk HV Tau C with JWST and ALMA - Vinod Chandra Pathak
14:45	Probing disk dynamics and dust evolution through shadows in protoplanetary disks: A case study of HD 142527 disk - Yuya Fukuhara	Tracing isotopologue chemistry in inner regions of planet-forming disks - Jayatee Kanwar	Disk evolution in Taurus: Rapid and complete dispersal of protoplanetary disks, and the birth of debris disks - Josh Lovell
15:00	When Shadows Move: Probing Dynamic Inner Disks with Multi-Epoch Scattered-Light Imaging - Jinlin Li	Chemical Diversity in Externally Irradiated Disks: JWST and ALMA Observations of NGC 1977 - Ryan Boyden	Emergence of the youngest debris discs - Olja Panic
15:15	Circumbinary disc truncation is dynamical, not secular - Enrico Ragusa	A fish out of water: unique observations of water in planet-forming disks - Margot Leemker	Dynamical Evolution of Planetary Systems in Dense Stellar Environments - Santiago Torres
15:30	Coffee break		

	Early Career researcher session 14
16:15	TBD
17:30	Evening break
18:30	Conference dinner

Friday 31 July 2026

	Debris Discs, session 15, Chair: Mark Wyatt		
9:00	Review - Luca Matrà		
9:30	Probing debris disk vertical dynamics with multi-wavelength imaging - Yinuo Han		
9:45	Probing the Collisional Cascade in AU Mic with Resolved Vertical Structures at Multiple Wavelengths - Brianna Zawadzki		
10:00	When worlds collide: Characterising post-impact molecular gas in the terrestrial region of HD 172555 - Zoe Roumeliotis		
10:15	A JWST and ALMA view of the warm dust in the Eta Crucis debris disk - Jake Byrne		
10:30	Coffee break		
	Debris Discs, session 16, Chair: Sebastian Marino		
11:00	Debris Discs Also Shape their Planets - Dominic Samra		
11:15	Are planets responsible for gaps and eccentricities in debris disks? - Elisabeth Matthews		
11:30	Survival of vortices in gas-rich debris disks - Fernando Castillo		
11:45	A Hierarchical Bayesian Population Study of Debris Discs - Rossella Anania		
12:00	Constraining the origin of gas in debris discs: Extreme dust size segregation in HD21997 with JWST and ALMA - Raphael Bendahan-West		
12:15	Dust-Gas Coupling in Gas-Rich Debris Discs: The Case of HD 131488 in Scattered Light and Thermal Emission - Shivam Joshi		
12:30	Lunch (included with the registration)		
	Parallel, session 17		
	Structures & evolution	Disc chemistry	Debris Discs
14:00	Hints of Disk Substructure in the First Brown Dwarf with a Dynamical Mass Constraint - Alejandro Santamaría Miranda	ALMA CHEER: Characterizing Planet-Forming Chemistry around Herbig Stars - Jamila Pegues	Breaking NLTE Excitation Degeneracies in Debris Disks: Insights from β Pictoris - Sana Ahmed

14:15	The Smallest Structured Disks - Pietro Curone	Dust removal via growth in the upper disc layers and its influence on the C/O ratio - Beatrice Kulterer	Exocometary molecules at the epoch of volatile delivery - Kevin Smith
14:30	ALMA 2D Super-resolution Imaging Survey of Ophiuchus Class I/Flat-spectrum/II Disks: The Onset of Substructure Formation and Disk Evolution - Ayumu Shoshi	Following the Water Trail in Planet-forming Disks: Developing a Theoretical Framework to Interpret Observations - Levi Walls	A First-of-Its-Kind ALMA Investigation of Gas Origins in the 49 Ceti Debris Disk - Catherine Sarosi
14:45	Constraining disk and planet properties from dust substructures in exoALMA disks - Alessandro Ruzza	From Infalling Gas to a Chemical Fountain - Joe Stadler	Mapping the Vertical Distribution of CO in the Edge-on Debris Disc HD32297 - Sorch Mac Manamon
15:00	Providing clarity on the transition phase from protoplanetary to debris discs - Benjamin Homewood	Dust-processing in an FUor-type protoplanetary disk - Foteini Lykou	Evidence for Vertical Flaring and Elevated Optical Depth in the HD 32297 Debris Disc - Patricia Luppe
15:15	Dust-driven vertical shear instability in a local and isothermal shearing box - Jip Mattheijse	The impact of Dust Sublimation and Composition on Accretion Outbursts in Protoplanetary Disks - Nicolas Kaufmann	Searching for Unusual Planetary Systems with Massive Debris Disks Using Herschel-ATLAS and Gaia - Zoe Parker
15:30	Coffee break		
	Closing, session 18, chair: TBD		
16:15	Poster Prize talk I		
16:30	Poster Prize talk II		
16:45	Poster Prize talk III		
17:00	Closing remarks		