

SCIENTIFIC PROGRAMME

Invited Reviews (R): 25+5 min
Invited Short Talks (S): 15+5 min
Contributed Talks (C): 15+5 min

Sunday, 17th			
18:00 - 20:30		Registration and Welcome Cocktail	
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Monday, 18th			
Chair: Matthew Bate			
08:40-09:00		Mark McCaughrean	Welcome
09:00-09:30	R	Francesco Palla	Stellar mass: from birth to death
09:30-10:00	R	Philip Myers	How do protostars get their mass?
10:00-10:30	R	Gilles Chabrier	From density fluctuations to prestellar cores: assembling stellar masses
10:30-11:00		Break	
From Clouds to Cores to Protostars			
Chair: Ian Bonnell			
11:00-11:30	R	Chris Brunt	The early stages of star formation in molecular clouds
11:30-12:00	R	Philippe Andre	From filamentary clouds to prestellar cores to the stellar IMF
12:00-12:20	S	Davide Elia	Deriving dust core properties from recent Herschel maps
12:20-12:40	S	Vera Konyves	The Aquila prestellar core population revealed by Herschel
Lunch			
Chair: James Dale			
14:30-15:00	R	Lori Allen	Seven Years in SpitzerLand
15:00-15:20	C	Derek Ward-Thompson	Observations of prestellar cores and the origin of the IMF
15:20-15:40	C	Jennifer Hatchell	Mass evolution in protostellar envelopes
15:40-16:00	C	Simon Glover	The formation of prestellar cores
16:00-16:20	C	Paul Clark	The IMF through cosmic time: from primordial to present-day star formation
16:40-17:00		Break	
Chair: Steffanie Walch			
17:00-17:30	R	Shantanu Basu	Clouds to cores to protostars: The influence of magnetic fields
17:30-17:50	C	Benoit Commercon	Protostellar collapse: magnetic and radiative feedbacks on small-scale collapse and fragmentation

17:50-18:10	C	Fumitaka Nakamura	On the effect of magnetic fields and outflow feedback on the characteristic mass of the IMF
18:10-19:00		Ian Bonnell	Discussion: From Clouds to Cores to Protostars
Tuesday, 19th			
The Birth and Influence of Massive Stars			
Chair: Jan Palous			
09:00-09:30	R	Jonathan Tan	The birth and influence of massive stars
09:30-10:00	R	Sylvain Bontemps	Observations of the earliest phases of high-mass star formation
10:00-10:20	C	Eli Bressert	What the spatial distribution of stars can tell us about star formation
10:20-10:40	C	Nicolas Peretto	The mass and density structure of infrared dark clouds
10:40-11:10	Break		
Chair: Giuseppina Micela			
11:10-11:30	S	Ana Lopez-Sepulcre	A minimum surface density for OB star formation: An observational test
11:30-11:50	S	Timea Csengari	Origin of high-mass stars in Cygnus-X
11:50-12:10	C	Joseph Mottram	The luminosity function and timescale of massive YSOs and compact HII regions
12:10-12:30	C	Rumpa Choudhury	Triggered star formation and the young stellar population in bright-rimmed clouds
12:30-12:45	Conference Group Photograph		
Lunch			
Chair: Elaine Winston			
14:30-14:50	S	James Dale	Fragmenting shells and triggered star formation
14:50-15:10	S	Stefanie Walch	Expanding shells require special conditions in molecular clouds
15:10-15:30	C	Barbara Ercolano	Ionisation feedback in star formation simulations
15:30-15:50	C	Nickolas Moeckel	Collisional formation of massive stars in accreting clusters
15:50-16:20	Break		
Chair: Basmah Riaz			
16:20-16:40	R	Pavel Kroupa	Evidence for a top-heavy IMF in extreme star-bursts
16:40-17:00	S	Thomas Maschberger	Properties of hierarchically forming star clusters
17:00-17:20	C	Andrea Stolte	Circumstellar discs in the Arches starburst cluster
17:20-17:40	C	Benjamin Hußmann	The present-day mass function of the Quintuplet cluster
17:40-18:30		Bruce Elmegreen	Discussion: Birth and Influence of Massive Stars
Wednesday, 20th			
Stellar Multiplicity and Dynamics			

Chair: Eduardo Martin			
09:00-09:30	R	Cathie Clarke	Binary star formation
09:30-09:50	C	Anthony Whitworth	The dynamics of brown dwarf binaries
09:50-10:10	C	Simon Goodwin	Why very low-mass binaries are different
10:10-10:30	C	Robert King	The effect of stellar density on stellar multiplicity
10:30-11:00	Break		
Chair: Nicolas Lodieu			
11:00-11:20	C	Robert de Rosa	A-star multiplicity and the companion mass function – from stars to brown dwarfs
11:20-11:40	C	Richard Parker	Inverse mass segregation in Taurus
11:40-12:00	C	Helen Kirk	Mass segregation in young stellar groups
12:00-20:00	Excursions		
Thursday, 21st			
The Low-mass End of the IMF			
Chair: Daniele Galli			
09:00-09:30	R	Kevin Luhman	The low-mass IMF in nearest star-forming regions
09:30-10:00	R	Jerome Bouvier	The substellar IMF in young clusters
10:00-10:20	C	John Bochanski	The stellar low-mass IMF: SDSS observations of 15 million M-dwarfs
10:20-10:40	C	Erin Kryukova	A Comparison of protostellar luminosity functions across diverse star-forming environments
10:40-11:10	Break		
Chair: Hans Zinnecker			
11:10-11:30	S	Nicolas Lodieu	The spectroscopic mass function in the Upper Sco Association
11:30-11:50	S	Catarina Alves de Oliveira	Probing the low-mass end of the IMF in star-forming regions
11:50-12:10	S	Andrew Burgess	M-dwarfs to T-dwarfs: The low-mass IMFs in IC 4665 and IC 348
12:10-12:30	S	Basmah Riaz	A multi-wavelength study of the young open cluster NGC 6823
Lunch			
Chair: Catarina Alves de Oliveira			
14:30-15:00	S	Elaine Winston	Near-IR and X-ray observations of the Serpens cloud
15:00-15:20	C	Beate Stelzer	First results from XMM-Newton investigations in lambda Orionis (XILO)
15:20-15:40	C	Masaaki Hiramatsu	SMA survey of low-luminosity YSOs in Perseus
15:40-16:00	C	Dimitris Stamatellos	How to limit the effect of radiative feedback in low-mass star formation
16:00-16:30	Break		
Chair: Vera Konyves			
16:30-16:50	C	Christophe	Herschel view of gas and dust in protoplanetary disks

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16:50-17:10	C	Emma Whelan	Using observations of brown dwarf jets to investigate brown dwarf formation
17:10-17:30	C	Ngoc Phan-Bao	Molecular outflows in the substellar domain
17:30-18:30		Nate Bastian	Discussion: Variation of the IMF?
20:00-23:00	<i>Closing Dinner</i>		
Friday, 22nd			
Chair: Tim Harries			
09:00-09:30	R	Isabelle Baraffe	The early evolution of low-mass stars and brown dwarfs
09:30-09:50	S	Keivan Stassun	Constraints on theoretical stellar models: Empirical measurements of the masses of stars and brown at young ages
09:50-10:10	C	Catia Cardoso	The Epsilon Indi B binary brown dwarf
10:10-10:30	C	Trent Dupuy	Testing theory with dynamical masses and orbits of ultracool binaries
10:30-10:50	C	Nathan Mayne	A new photometric mass scale
10:50-11:20	Break		
The Origin of Stellar Masses			
11:20-11:50	R	Lee Hartmann	Initial conditions for star formation and the IMF
11:50-12:30		Matthew Bate	Final summary and discussion
END OF CONFERENCE			