

DAY 0: SUNDAY 8 MAY 2022			
18:30-20:00		WELCOME RECEPTION AND REGISTRATION	
DAY 1: MONDAY 9 MAY 2022			
	09:00-09:15	Organising Committee	Welcome
O	09:15-09:45	Norbert Langer	Opening talk: Key Open Questions
SESSION 1: OBSERVATIONS OF MASSIVE STARS NEAR AND FAR		(Chair: Jorick Vink)	
I	09:45-10:05	Paul Crowther	ULLYSES project and complementary surveys of massive stars
I	10:05-10:25	Allison Strom	Observations of Massive Stars in High-redshift Galaxies
I	10:25-10:45	Danielle Berg	Massive stars in low-metallicity galaxies
10:45-11:30		TEA/COFFEE BREAK	
I	11:30-11:50	Miriam Garcia	Observations of low-metallicity massive stars: realistic expectations for the present and future prospects
C	11:50-12:05	Claus Leitherer	Global Properties of Star-Forming Galaxies from Ultraviolet Spectroscopy
I	12:05-12:25	Elizabeth Stanway	The Impact and Modelling of Massive Stars in Stellar Populations
C	12:25-12:40	Grace Telford	The Ionizing Spectrum of an Extremely Metal-Poor O Star Powering an HII Region
C	12:40-12:55	Marta Lorenzo	One Step closer to the First Stars: 100 OB stars in the metal-poor galaxy Sextans A
12:55-14:30		LUNCH	
C	14:30-14:45	Maude Gull	A Panchromatic Study of Massive Stars in Extremely Metal-Poor Local Group Dwarf Galaxy LeoA
C	14:45-15:00	Aida Wofford	The extreme He II emission of NGC 3125-A1 revisited at higher spectral resolution
C	15:00-15:15	Abel Schootemeijer	A census of Be stars in the Magellanic Clouds and Sextans A reveals a high fraction of extreme rotators
C	15:15-15:30	Emma Bordier	Constraining the behaviour of the youngest massive stars through interferometry
C	15:30-15:45	Jesús Maíz Apellániz	The Gaia View of Massive Stars
C	15:45-16:00	Sally Oey	Dynamical vs Supernova Acceleration of Runaway OB Stars in the Small Magellanic Cloud
16:00-16:30		TEA/COFFEE BREAK	
SESSION 2: STELLAR ATMOSPHERES AND WINDS		(Chair: Nicole St Louis)	
I	16:30-16:50	John Hillier	Stellar Atmospheres and Supernovae
C	16:50-17:05	Wolf-Rainer Hamann	Spectroscopic analyses of massive stars at different metallicities
C	17:05-17:20	Joachim Bestenlehner	Next generation spectroscopic analysis for large sample of massive stars
C	17:20-17:35	Gemma González-Torà	MUSE crowded field 3D spectroscopy in NGC 300 II. Quantitative spectroscopy of BA-type supergiants
	17:35-18:05	DISCUSSION: Claus Leitherer	Open discussion on Massive Star Observations Near versus Far
18:05-19:30		POSTER SESSION	
DAY 2: TUESDAY 10 MAY 2022			
SESSION 3: PHYSICAL PROCESSES IN MASSIVE STARS		(Chair: Dany Vanbeveren)	
O	09:00-09:30	Stanley Owocki	Overview of physical processes: mass loss, pulsations and magnetism
C	09:30-09:45	Derck Massa	Wind line variability and intrinsic errors in observational mass loss rates
C	09:45-10:00	Matteo Cantiello	Turbulent Phenomena at the Surface of Massive Stars
C	10:00-10:15	Jared Goldberg	Convective Properties of 3D Red Supergiant Envelopes and the Imprint on Supernova Shock Breakout
C	10:15-10:30	Siemen Burssens	Asteroseismology of the high-mass pulsator HD192575: an important anchor of angular momentum transport in massive star evolution
C	10:30-10:45	Fabian Schneider	Stellar mergers as the origin of magnetic massive stars
10:45-11:15		TEA/COFFEE BREAK	
C	11:15-11:30	Gregg Wade	The metallicity dependence of stellar magnetism: multitechnique, multiwavelength exploration of hot magnetic stars in the Magellanic Clouds
C	11:30-11:45	Dominic Bowman	Asteroseismology reveals the near-core magnetic field strength in the early-B main-sequence star HD 43317
SESSION 4: STELLAR MULTIPLICITY		(Chair: Alceste Bonanos)	
O	11:45-12:15	Selma de Mink	Evolution of massive binary systems
C	12:15-12:30	María Drout	Identification of a Population of Stripped Helium Stars in the Magellanic Clouds
C	12:30-12:45	Hugues Sana	The nature of hidden companions in single-line spectroscopic binaries
C	12:45-13:00	Paul Ricker	Common Envelope Evolution of Massive Binaries
13:00-14:15		LUNCH	
C	14:15-14:30	Gareth Banyard	The multiplicity of the B stars on NGC 6231
C	14:30-14:45	Laurent Mahy	The multiplicity of Galactic Luminous Blue Variables
C	14:45-15:00	Lee Patrick	Hunting for red supergiant binary systems in the ultra-violet
C	15:00-15:15	Mathieu Renzo	Evolution of accretor stars in massive binaries: broader implications from modeling zeta Ophiuchi
C	15:15-15:30	Chen Wang	The impact of binary interaction on the main-sequence morphology of young star clusters
C	15:30-15:45	Gonzalo Holgado	The spin rate properties of Galactic massive O-type stars
15:45-16:15		TEA/COFFEE BREAK	
SESSION 5: STELLAR STRUCTURE AND EVOLUTION OF SINGLE STARS		(Chair: Paco Najarro)	
O	16:15-16:45	Raphael Hirschi	Stellar structure and evolution of single stars
C	16:45-17:00	Federico Rizzuti	Entrainment in 3D hydrodynamics simulations of neon burning
I	17:00-17:20	Michel Rieutord	Multi-dimensional stellar structure and mixing processes
C	17:20-17:35	Goetz Grafener	Physics and evolution of the most massive stars
I	17:35-17:55	Sung-Chul Yoon	Evolution of zero and low-metallicity massive stars
C	17:55-18:10	Sébastien Martinet	Very Massive Stars: near and far
21:00-23:00		MUSIC IN KELLS BAR	

DAY 3: WEDNESDAY 11 MAY 2022			
SESSION 6: COOL SUPERGIANTS		(Chair: Lidia Oskinova)	
O	09:00-09:30	Nathan Smith	Luminous post-main-sequence stars and eruptive mass loss
C	09:30-09:45	Rene Oudmaijer	Multiple mass loss events on timescales of hundreds of years of the post-Red Supergiant the Fried Egg
I	09:45-10:05	Emma Beasor	Mass loss from Red supergiants
C	10:05-10:20	Ben Davies	Explosion Imminent: what Red Supergiants look like just before they explode
C	10:20-10:35	N. Dylan Kee	Analytic, Turbulent Pressure Driven Mass Loss from Red Supergiants
C	10:35-10:50	Emily Cannon	The Dimming of Betelgeuse: VLTI/MATISSE observations, another piece of the puzzle
C	10:50-11:05	Ignacio Negueruela	Strong lithium lines in the spectra of red supergiants
11:05-11:35		TEA/COFFEE BREAK	
C	11:35-11:50	Gautham Sabhahit	Mixing and mass loss beyond the main sequence
SESSION 7: UNSTEADY MASS LOSS		(Chair: Morgan Fraser)	
I	11:50-12:10	Andrea Mehner	Luminous blue variable and supergiant B[e] stars
C	12:10-12:25	Thomas Madura	A 3D time-dependent AMR hydrodynamical simulation of Eta Carinae's colliding stellar winds around periastron
C	12:25-12:40	Alceste Bonanos	Introducing the ASSESS project: Episodic Mass Loss in Evolved Massive Stars - Key to Understanding the Explosive Early Universe
C	12:40-12:55	Grigoris Mavelias	Using machine-learning to investigate the populations of dusty evolved stars in various metallicities
AFTERNOON EXCURSION WITH PACKED LUNCH, OR LUNCH AT HOTEL			
FREE AFTERNOON			

DAY 4: THURSDAY 12 MAY 2022			
SESSION 8: WOLF-RAYET STARS and STELLAR FEEDBACK		(Chair: Raman Prinja)	
I	09:00-09:20	Tomer Shenar	Classical Wolf-Rayet stars: new insights and open problems
C	09:20-09:35	Andreas Sander	The enigmatic winds of Wolf-Rayet stars: Results from dynamically consistent atmosphere modelling
C	09:35-09:50	Lidia Oskinova	X-raying massive stars and their feedback near and far
C	09:50-10:05	Sally Heap	How Massive Stars Drive the Evolution of Primitive Galaxies
C	10:05-10:20	Kristen McQuinn	GLOW: Galaxies Losing Oxygen via Winds
10:20-11:00		COFFEE BREAK	
SESSION 9: MASSIVE STAR FORMATION NEAR & FAR		(Chair: Asif Ud-Doula)	
O	11:00-11:30	Ralf Klessen	The First Stars
I	11:30-11:50	Kazuyuki Omukai	Formation of very low-metallicity stars
C	11:50-12:05	Anna Rosen	A Massive Star is Born: How Stellar Feedback Limits Accretion onto Massive Stars
C	12:05-12:20	G. André Oliva	The origin of massive stellar systems via disk fragmentation
C	12:20-12:35	Kei Tanaka	Metallicity Dependences of Massive Star Formation from Theoretical and Observational Perspectives
I	12:35-12:55	Tyrone Woods	The first massive stars in the high-redshift universe
12:55-14:30		LUNCH	
I	14:30-14:50	John Regan	Formation of supermassive stars and direct collapse to black holes
	14:50-15:20	DISCUSSION: Sylvia Ekström	First Stars and Massive Stars Communities: How to make progress together
15:20-15:50		TEA/COFFEE BREAK	
SESSION 10: STELLAR END-POINTS AND GRAVITATIONAL WAVES		(Chair: Heloise Stevance)	
O	15:50-16:20	Stephen Smartt	Multi-messenger Astrophysics & Transients
C	16:20-16:35	Floor Broekgaarden	(How) Can We Really Learn about Massive Stars from Gravitational Wave Observations?
C	16:35-16:50	Pablo Marchant	Inferring black hole birth kicks from quiescent OB+black hole binaries
I	16:50-17:10	Joe Lyman	The diversity of massive stellar transients found in sky-surveys
C	17:10-17:25	Anna Ho	Finding Relativistic Stellar Explosions as Fast Optical Transients
17:30-18:30		POSTER SESSION	
19:00-LATE		CONFERENCE DINNER	

DAY 5: FRIDAY 13 MAY 2022			
C	09:30-09:45	Griffin Hosseinzadeh	Mass Loss from the Red Supergiant Progenitor of SN 2021yja
C	09:45-10:00	Takashi Moriya	Constraining massive star mass loss through supernova radio properties
C	10:00-10:15	Jeff Cooke	A new observational method to directly measure the timescales for high redshift massive star cloud collapse, formation, and lifetimes
C	10:15-10:30	Wynn Jacobs-Galán	Watching a Star Explode with the Young Supernova Experiment
C	10:30-10:45	Joanne Pledger	Metallicity distributions of core-collapse supernovae within 30Mpc: Evidence for a lack of single massive Ib progenitors at low metallicities.
C	10:45-11:00	Samaporn Tinyanont	A Local Analog of the Death of First Stars? SN 2020wnt: A Supernova That Defies All Models (Even Magnetars!)
11:00-11:30		TEA/COFFEE BREAK	
SESSION 11: FUTURE INSTRUMENTATION AND FACILITIES		(Chair: Jonathan Mackey)	
I	11:30-11:50	Ana Gomez de Castro	Massive stars UV signatures and the instrumentation to come
SUMMARY			
O	11:50-12:20	Alex de Koter	Closing Summary
	12:20-12:30	Organising Committee	Closing remarks
12:30		LUNCH AND DEPARTURE	