TASC8/KASC15 Workshop — Block Schedule

* last updated on 19.07.24

	14-Jul SUNDAY	15-Jul MONDAY	16-Jul TUESDAY	17-Jul WEDNESDAY	18-Jul THURSDAY	19-Jul FRIDAY
8:00 AM		Registration				
8:30 AM						
8:45 AM		Welcome Address (LOC/SOC & Conceição Santos, FCUP)				
9:00 AM		Session 1: The transformative decade ahead (Chair: Campante)	Session 5: Convection, rotation, magnetic fields, and transport of chemical elements (Chair: Bowman)	Session 8: Convection, rotation, magnetic fields, and transport of chemical elements (Chair: Hon)	Session 11: OB stars (Chair: Bowman)	Session 14: Galactic archaeology (Chair: Casagrande)
		[Invited] Belkacem: PLATO Core Stellar Science	[Invited; online] Deheuvels: Seismic constraints on magnetic fields inside stars	[Invited] Takata: Novel Seismic Probes	[Invited] Labadie-Bartz: Main Sequence OB "Classical" Pulsators	Huber: An Asteroseismic Age for an Ancient Very Metal-Poor Star
9:15 AM						Stokholm: Exploring the Galactic helium enrichment law
9:30 AM		[Invited] Aerts: PLATO's Complementary Science Program	Müller: A simple expression for the magnetic suppression of mode amplitudes	Deal: Toward an accurate modelling of convective boundaries in F-type stars	Ratnasingam: 3D Simulations on the Evolution of Magnetic Fields in Massive Stars	Miglio: A new view of Galactic discs: unveiling precise ages with individual oscillation modes
9:45 AM			Gutteridge: Mapping the surface of pulsating magnetic stars with Zeeman-Doppler Imaging	Mani: Failure of Mixing-Length Theory to Explain Supergranular-Scale Convection	Henneco: Merger seismology: asteroseismic properties of massive merger products	Marasco: Traveling Back In Time: Asteroseismic Ages of TESS's Low-Metallicity Red Giants
10:00 AM		Jannsen: MOCKA — A PLATO mock asteroseismic catalogue of intermediate to massive stars	Bordadágua: The efficiency of mixed modes for angular momentum transport	Lizin: 3D Time-dependent convection model for asteroseismology	Fellay: First direct modelling of gravito-inertial tidally excited non-adiabatic oscillations	Thomsen: KIC10001167: The prototype eclipsing binary for red giants in the old in-situ Milky Way population
10:15 AM		Buzasi: The Polarimetric Revolution in Asteroseismology	Morton: Mixing in massive main-sequence stars by internal gravity waves	Moedas: Stellar Characterisation using Single Value Parameter Method	Johnston: TESSting the waters: Blue Super Giants as viewed by TESS	Hey: An all-sky map of the Milky Way using luminous semi-regular variables
10:30 AM		Coffee Break	Conference Photo & Coffee Break	Coffee Break	Coffee Break	Coffee Break
11:00 AM		Session 1 (cont.): The transformative decade ahead (Chair: Campante)	Poster Session 1 (Chair: Santos)	Session 9: Solar-like oscillators (Chair: Monteiro)	Poster Session 2 (Chair: Santos)	Session 15: AF and OB stars (Chair: Monteiro)
		[Invited] Pinsonneault: Asteroseismology with the Roman Space Telescope		García: Massive characterization of subgiants and red giants with TESS and Gaia		Fuller: Peculiar pulsators
11:15 AM				Sreenivas: Testing the wavelength dependence oscillations and granulation in red giants using Kepler and TESS		Cunha: Probing stellar physics with ensemble studies of Chemically Peculiar stars
11:30 AM		Session 2: TESS/TASC (Chair: Campante)		Bugnet: Unveiling complex magnetic field configurations in red giant stars		Bowman: TESS light curves of extra-galactic massive stars reveal the origin of stochastic gravity waves
11:45 AM		[Invited; online] Ricker: TESS Mission: Status and Ongoing Mission Planning		Panier: Theoretical analysis of the mixed modes pattern of low-mass core-helium burning stars		Session 16: Compact stars (Chair: Monteiro)
12:00 AM		[Invited] Christensen-Dalsgaard: TESS Asteroseismic Science Consortium (TASC)		Matteuzzi: Semi-analytical models of core-helium-burning stars: Structural glitches near the core		[Invited] Uzundag: Asteroseismology of compact pulsating stars
12:15 PM				Noll: Study of convection and nuclear reactions through ensemble Red Clump stars seismology		Hermes: Kepler and TESS weigh in on the purity of the DAV instability strip
12:30 PM		Lunch Break	Lunch Break ECR mentoring Breakout: TASC SC (room 1.40)	Lunch Break ECR mentoring Breakout: PLATO WP127 H&H exercise (room 1.40)	Lunch Break ECR mentoring Breakout: SONG (room 1.40) Breakout: US asteroseismology community (room 1.42)	Lunch Break Breakout: TASC open discussion (room 1.40) Breakout: HAYDN (auditorium)
1:30 PM						
2:30 PM		Session 3: Convection, rotation, magnetic fields, and transport of chemical elements (Chair: Cunha)	Session 6: Solar-like oscillators (Chair: Hon)	Session 10: AF stars (Chair: Holdsworth)	Session 12: Galactic archaeology (Chair: Tayar)	Session 17: RR Lyrae and Cepheid stars (Chair: Monteiro)
		[Invited] van Saders: Ensemble Stellar Rotation	Buchele: Probing the internal structure of low-mass main-sequence stars using structure inversions	[Invited] Zwintz: Pulsations in A and F type stars: challenges and prospects	[Invited] Helmi: Galactic Archaeology	[Invited] Plachy: Asteroseismology with low-amplitude modes in RR Lyrae and Cepheids
2:45 PM			Buldgen: MCMC inversions of the internal rotation of Kepler subgiants			
3:00 PM		Ong: Asteroseismic Diagnostics of Core-Envelope Rotational Misalignment	Lundkvist: Asteroseismic analysis of the 'Methuselah' star	Kurtz: HD 60435: The star that stopped pulsating	Casali: Tracing the Milky Way's Journey Through Time	Joyce: AGB Asteroseismology: Evolved Variable Stars as Laboratories for Stellar Evolution in Real Time
3:15 PM		Martinelli: The effects of rotation-induced mixing in secondary clump red giant stars	Y. Li: Decoupling Mixed Modes: Stretched Frequency Recovers Pure P-mode Frequencies In Red Giants	Barrault: Measuring core rotation in gamma-Dor stars from dips in the gravity-mode period spacing pattern	Neitzel: Dissecting Stellar Populations with Manifold Learning	Rathour: Census of Non-evolutionary effects on period change from O-C study of 7000+ Magellanic Cepheids
3:30 PM		Ahlborn: Accurate asteroseismic envelope rotation rates for evolved red giants	Santos: Signature of the spin-down stalling in the stellar magnetic activity	Rodríguez Sánchez: Achieving non-linear models for Delta Scuti stars	Brogaard: Towards a new RGB mass-loss law	[Invited] Basu: Closing talk
3:45 PM		Kochukhov: Variability of mercury-manganese stars through the eyes of TESS	G. Li: Asteroseismic measurement of core and envelope rotation rates for 2006 red giant branch stars	Antoci: Exploring the Origins of the Spike Feature in HR 7495: Stellar Spots or Overstable Convective Modes?	Lindsay: Age-dating α-element Enhanced Stars in the Galactic Halo with Asteroseismology	
4:00 PM		Coffe Break	Coffe Break	Coffe Break	Coffe Break	Coffe Break & Farewell
4:30 PM		Session 4: Solar-like oscillators (Chair: Tayar)	Session 7: Clusters (Chair: Casagrande)		Session 13: Exoplanets and Binaries (Chair: Hon)	
		[Invited] Gehan: Asteroseismology of solar-type pulsators	[Invited] Corsaro: Asteroseismology of Stellar Clusters		[Invited] Crossfield: Exoplanet Atmospheres	
4:45 PM						
5:00 PM	Reception & Registration (5-7pm) Porto Planetarium	Bétrisey: Imprint of magnetic activity cycle on solar asteroseismic characterisation	Kalup: Asteroseismic masses of red giant and RR Lyrae stars in K2 globular clusters		Yu: Chemically Depleted Stars Are Magnetically More Active: A Possible Planet Formation Imprint	
5:15 PM		Bessila: Influence of rotation and magnetic field on the stochastic excitation of acoustic modes	Van-Lane: Improving gyrochronology: a new benchmark data set and enhanced age inference model		Eze: Characterizing the variability of a sample of massive pulsators in eclipsing binaries	
5:30 PM		Hekker: What curves Δν?	Murphy: The Cep-Her Association: analysis of a homogeneous sample of 196 young dSct stars with TESS		Choi: Tackling the complexities of overlapping oscillations in asteroseismic binaries using Kepler data	
5:45 PM		Vrard: Interferometric observations of solar-like pulsators: a survey to constrain scaling relations	Nardini: Exploring binarity and pulsations in massive stars: towards a comprehensive understanding		Grossmann: A seismic study of the benchmark red-giant binary system KIC 9163796	
6:00 PM						
7:00 PM		Young Astronomers Mixer (7pm onwards) Selina		Conference Dinner (7-11pm) The Yeatman		
8:00 PM						
9:00 PM						
10:00 PM						
11:00 PM						