



Website: https://www.cefca.es/research/understanding_universe_large_surveys

CONFERENCE PROGRAM

Day 0 - Sunday - Oct 4th			
19:30	Free SOCIAL EVENT: <i>Welcome Reception</i>		Jardín del Mausoleo de los Amantes de Teruel (Calle Caracol 2). Please visit the Social Events Website.
Day 1 - Monday - Oct 5th			
Chair: Isabel Márquez			
9:00	Institutional Opening		
Session I - Understanding Cosmic Structure at High Redshift			
10:00	Invited	Rita Tojeiro	An unprecedented view of the Universe with DESI
10:35	Contributed	Laura Scholz-Diaz	A wide-field dedicated spectroscopic facility to unveil the co-evolution of galaxies and the cosmic web up to $z=1$
10:55	Coffee Break (Sala La Muralla)		
Session II - Understanding Galaxy Evolution through the Cosmic Web			
11:30	Invited	Anna Porredon	Exploring the Dark Universe with Euclid
12:05	Contributed	Rosa María González Delgado	Galaxy Evolution through cosmic web: the legacy surveys approach
12:25	Contributed	Ana María Conrado	The void effect on galaxy evolution: insights from CAVITY and DESI
12:45	Contributed	Rosa Calvi	Tracing Environmental Effects through CO Emitters in a $z \sim 2.2$ Protocluster
13:05	Lunch Break (CEFCA Headquarters)		
Chair: Vicent Martínez			
Session III - Understanding Clustering through the Cosmic Web			
14:30	Invited	Mara Salvato	eROSITA contribution to MW, COSMOLOGY and Galaxy/AGN evolution studies
15:05	Contributed	Jacobo Asorey Barreiro	Cosmology with the SKA Observatory: clustering from precursor extragalactic radio surveys
15:25	Contributed	Jun Toshikawa	Diverse Protoclusters Disclosed by Systematic Observations
15:45	Contributed	Andrea Biviano	The velocity anisotropy of clusters of galaxies and their assembly history
16:05	Coffee Break (Sala La Muralla)		
Session IV - Understanding the Milky Way in the Gaia Era			
16:30	Invited	Antonella Vallenari	Gaia: Ten years of surveying the Milky Way and beyond
17:05	Contributed	Subhabrata Majumdar	Mapping the Milky Way in Six Dimensions: A contiguous, homogenised, phase-space GAIA gold catalogue up to 250 kpc
17:25	Contributed	Adrián Hidalgo	Milky Way archaeology with J-PLUS DR4: stellar parameters from a purely algebraic photometric method
19:00	Free SOCIAL EVENT: <i>Guided walking tour of Teruel downtown</i>		Departure: Plaza de la Catedral 1 . Please visit the Social Events Website.
Day 2 - Tuesday - Oct 6th			
Chair: Carlos Hernández Monteagudo			

Session V - Understanding the Universe through SDSS and Large Photometric Surveys			
9:20	Invited	Carlos Allende	The Sloan Digital Sky Survey
9:55	Contributed	Héctor Vázquez Ramió	The J-PAS Extended Early Data Release
10:15	Contributed	Juan Antonio Fernández Ontiveros	JOLINES: A value-added catalogue of optical line intensities for nebular emission galaxies
10:35	Contributed	Marilena Spavone	Mapping Galaxy Assembly through Stellar Halos and Intracluster Light in the Era of Deep Surveys
10:55	Coffee Break (Sala La Muralla)		
Session VI - Understanding Observational Cosmology			
11:30	Invited	Jonás Chaves	Cosmology with DESI: Cracks in Λ CDM?
12:05	Contributed	Swaraj Pradhan	Towards Bayesian Photometric Cosmic Chronometers
12:25	Contributed	Mar Pérez Sar	Probing the Large Scale Structure with angular density and redshift fluctuations
Posters			
12:45	Oral Poster Presentations		
13:05	Lunch Break (CEFCA Headquarters)		
Chair: Rosa González-Delgado			
Session VII - Understanding the Universe through Large Spectroscopic Surveys			
14:30	Invited	Scott Trager	WEAVE: surveying the Milky Way and the Universe with the ING's next-generation spectroscopic survey facility
15:05	Contributed	J. Alfonso L. Aguerri	WEAVE Cluster Surveys: Science Verification first results
15:25	Contributed	Jordi Cepa	The Lockman SpReSO survey
15:45	Contributed	Chiara Buttitta	Unveiling the faintest side of the Universe: discoveries, structure and open issues on ultra-diffuse galaxies
16:05	Coffee Break (Sala La Muralla)		
Session VIII - Understanding the Variable Universe			
16:30	Invited	Tesla Jeltema	The Vera C. Rubin Observatory's Legacy Survey of Space and Time: Overview and Early Science
17:05	Contributed	Alessandro Ederoclite	Time-Domain Wide-Field Surveys: the Paradigm Switch of the Discovery Machines
19:00	Free SOCIAL EVENT: Public Talk by Prof. Emilio Alfaro		"La geometría del pecado" , in Spanish, at Centro Cultural de San Julián (Carretera San Julián 14) . Please visit the Social Events Website.

Day 3 - Wednesday - Oct 7th			
8:30	Bus Teruel - Galáctica		Departure: Paseo del Óvalo 3-7
Chair: Alfonso López-Aguerri			
Session IX - Understanding the Milky Way & the Local Group			
10:15	Contributed	Borja Anguiano	J-ATLAS: Javalambre Andromeda and Triangulum Legacy Astrophysical Survey
10:35	Contributed	Yang Huang	A Photometric Revolution in Galactic Archaeology — Unlocking the Milky Way with ~100 Million Stars
10:55	Coffee Break (Galactica)		
Session X - Understanding Galaxy Clusters & Environment			
11:30	Invited	Magda Arnaboldi	The ESO public surveys: An overview of the current and future plans and of the surveys' scientific legacy
12:05	Contributed	Christopher Haines	CHANCES: The CHileAN Cluster Galaxy Evolution Survey
12:25	Contributed	Ariane Trudeau	Harnessing the statistical power of large surveys: two stacking analyses of the MaDCoWS2 galaxy clusters at 0.5
12:45	Lunch Break (Galactica)		
14:30	Free SOCIAL EVENT: Visit to Galactica		
16:00	Free SOCIAL EVENT: Visit to the OAJ		

18:30	<i>Bus OAJ - Teruel</i>	Arrival: Paseo del Óvalo 3-7 , by 20:00h
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Day 4 - Thursday - Oct 8th			
Chair: Alberto Fernández-Soto			
Session XI - Understanding the contribution of Mariano Moles (I)			
9:00	Special	Javier Cenarro	A Legacy of Legacy Surveys: Mariano Moles and the CEFA Vision
9:25	Special	Silvia Bonoli	J-PAS: the sky in multicolor
9:45	Special	Carlos López San Juan	J-PLUS: the Javalambre Photometric Local Universe Survey
10:05	Invited	Isabel Márquez	Exploring the universe from the ALHAMBRA
10:30	Invited	Alessia Moretti	A Comprehensive Census of the Local Cluster Universe: The WINGS/OmegaWINGS Legacy
10:55	Coffee Break (Sala La Muralla)		
Session XII - Understanding the contribution of Mariano Moles (II)			
11:30	Contributed	Vicent J. Martínez	Mariano Moles and the search of two numbers
11:50	Round table	Chairs: Isabel Márquez & Vicent J. Martínez	A lifetime of pioneering new cosmic frontiers
13:05	Lunch Break (CEFA Headquarters)		
Chair: Alessia Moretti			
Session XIII - Understanding the Universe at different Wavelengths and Scales			
14:30	Invited	Lourdes Verdes Montenegro	Celebrating the Survey Universe in the SKA Observatory Era
15:05	Contributed	Emily Kerrison	The First Large Absorption Survey in HI (FLASH): A new radio census of neutral gas beyond the local Universe, and a treasure trove for multi-wavelength studies of galaxy evolution
15:25	Contributed	Simón Véliz Astudillo	From Cores to Infall Regions: Morphological Pre-processing Signatures in CHANCES Evolution Clusters
15:45	Contributed	Sara Navarro Umpiérrez	Mini-HAWKS: A pilot survey designed to discover new quiescent black holes.
16:05	Coffee Break (Sala La Muralla)		
Session XIV - Understanding Methodologies for Cosmological Probes			
16:30	Contributed	Carlos Hernández Monteagudo	Angular redshift fluctuations (ARF): a turbulent cosmological observable
16:50	Contributed	Finian Ashmead	Optimizing Photometric Redshift Training Sets with UMAP
17:10	Contributed	Krzysztof Lisiecki	CORN: Chronometers of Relic Nature The first estimate of the expansion rate of the Universe using compact relic galaxies
17:30	Contributed	Raul Abramo	Measurement of the Hubble constant from the cross-correlations of galaxies and dark sirens
20:00	SOCIAL EVENT: Conference Dinner		At Hotel Palacio La Marquesa (Plaza Fray Anselmo Polanco 2). Please visit the Social Events Website.

Day 5 - Friday - Oct 9th			
Chair: Rita Tojeiro			
Session XV - Understanding Resolved Stellar Populations and the Low Surface Brightness Universe			
9:20	Invited	Sean Bruton	SPHEREx
9:55	Contributed	Ignacio Sevilla Noarbe	Optical-infrared survey synergies in the Rubin era
10:15	Contributed	Luis Diaz-Garcia	Galaxy evolution at the advent of J-PAS: stellar population properties up to $z \sim 1$
10:35	Contributed	Julio Esteban Rodríguez Martín	Spatially Resolved Galaxy Evolution with J-PAS and Py2DJPAS
10:55	Coffee Break (Sala La Muralla)		
Session XVI - Understanding Chemical Evolution of Galaxies			
11:30	Contributed	Stefano Zibetti	Linking metals to stellar-mass growth on local and galaxy-wide scales: the many faces of the stellar mass-metallicity relation from large spectroscopic surveys
11:50	Contributed	Carmen P. Padilla-Torres	The OTELO survey: The evolution of galaxies.
12:10	Concluding Remarks & Discussion		
13:05	Farewell Lunch (CEFA Headquarters)		