

XIII Annual SOCHIAS Meeting

Sociedad Chilena de Astronomía
Antofagasta, Chile

March 1 - 4 th
2016

SOC

Julio Chanamé
Javier Alonso-García
Roberto Assef
Amelia Bayo
Eduardo Ibar
James Jenkins
Rodrigo Reeves
Patricia Tissera

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Eduardo Unda-Sanzana
Felipe Barrientos
Christian Nitschelm
Médéric Boquien
Nuno Peixinho
Penélope Longa-Peña
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Esta actividad cuenta con el apoyo
del FONDO ALMA-Conicyt
Programa de Astronomía/PCI 31140013



www.sochias.cl/reunion2016
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Start	End	2016-03-01	Start	End	2016-03-02	Start	End	2016-03-03	Start	End	2016-03-04								
		Hotel Antofagasta			Salón Cobremar	Salón Cerro Moreno	Salón José Santos Ossa				Salón Cobremar	Salón Cerro Moreno	Salón José Santos Ossa						
09:00	09:10		09:00	09:20	Opening words			09:00	09:10	Announcements	09:00	09:10	Announcements						
09:10	09:25		09:20	09:35				09:10	09:25	Invited talk: Santi Cassisi: Multiple stellar populations in Galactic globular clusters: observational evidence and theoretical framework	09:10	09:25	Invited Talk: Patricia Sanchez-Blázquez: Spatially resolved stellar populations with CALIFA						
09:25	09:45		09:35	09:55	Opening invited talk: Guillermo Blanc: Protecting the Dark Skies of Chile			09:25	09:45		09:25	09:45							
09:45	09:50		09:55	10:00	Questions			09:45	09:50	Questions	09:45	09:50	Questions						
09:50	10:25		10:00	10:25	Invited talk: Gary Sanders (TMT): Thirty Meter Telescope: Review and Status			09:50	10:25	Invited talk: Julie Nantais: The Urbanization of the Cosmos at $z > 1.3$	09:50	10:25	Invited talk: Silvana del Valle Bustos Harassment - what is that?						
10:25	10:30		10:25	10:30				10:25	10:30	Questions	10:25	10:30	Questions						
10:30	11:00		10:30	11:00	Conference photo - Coffee break			10:30	11:00	Coffee break	10:30	11:00	Coffee break						
					Extragalactic: Galaxy Clusters	Galactic: Star Clusters and Associations	Stars and Planets: Evolved, Exotic, and Compact Objects			Extragalactic: Galaxy Formation & Evolution II	Galactic: Galactic Stellar Populations II	Stars and Planets: YSO evolution and Substellar Objects							
11:00	11:15		11:00	11:15	Yara Jaffé: The fate of HI gas and the quenching of galaxies in evolving environments	Alexandre Roman-Lopes: The W3/4/5 Super Star Forming Complexes Unraveling Multiple Massive Star Populations with SDSS/APOGEE spectrograph	Claus Tappert: The mass-transfer rates of old novae		11:00	11:15	Juan Cordero: Searching for galaxy-galaxy interactions and merger relics in the Shapley Supercluster	Juan Carlos Beamin: Ultra cool dwarfs, revealing our neighbors	Daniela Iglesias: Where gas was not expected	11:00	11:15	Francisco Aros: Axisymmetric dynamical models of dwarf spheroidal galaxies	Germán Gómez-Vargas: The Galactic Center excess in gamma rays	Alba Aller: Search for binary central stars of planetary nebulae: exploding archival data	
11:15	11:30		11:15	11:30	Iván Lacerna: Isolated elliptical galaxies	Sebastián Ramírez-Alegria: VVV young clusters with a confirmed OB population	Irma Fuentes-Morales: New data on old novae		11:15	11:30	Ezequiel Treister: The Role of Major Galaxy Mergers in Black Hole Growth and Galaxy Evolution	Jaime Villaseñor: B-type Giant and Supergiant Stars in the "Galactic O-type Star Spectroscopic Survey": Spectral Analysis	Ricardo Ramírez-Reyes: High Precision Spectro Astrometry in HD 100546	11:15	11:30	Sergio Contreras: How does the Halo Occupation Distribution evolve in time?	Diego Calderón: Clump formation through the colliding stellar winds in the Galactic Centre	Ronald Mennickent: Recent results of the investigation of interacting binaries and Be stars	
11:30	11:45		11:30	11:45	Paulina Troncoso: Asymmetric star formation in dense environment as evidence for ram pressure stripping	Ricardo Salinas: The giant awakes: globular clusters in the nearest elliptical Maffei 1	Stefan Kimeswenger: Planetary Nebula - modelling vs. observations		11:30	11:45	Roberto González: Halo spin and filament connection at high redshift	Carlos López: CPD-26 2716: a new runaway O-type supergiant star characterized from the GOSSS and OWN optical spectroscopic surveys	Abdo Campillay: The massive O-type triple system Herschel 36 A	11:30	11:45	Grecco Oyarzún: How Lyman Alpha emission depends on stellar mass	Luca Sbordone: Chemical analysis of the GIBS UVES sample: Li rich giants towards the Bulge	Blake Pantoja: A SPHERE Discovery of an M-Dwarf Companion to HD 86006	
																			Stars and Planets: Intermediate-Mass and Massive Stars
11:45	12:00		11:45	12:00	Nelly Choque: Using cosmological simulations to study groups in and around clusters	Francesco Mauro: Photometric studying the Horizontal Branch of NGC6440 and NGC6569 with GeMS/GSAOI	Claudia Aguilera: Lithium enrichment in red giant branch stars		11:45	12:00	José Prieto: Tidal Disruption Events from ASAS-SN: characterization, host galaxies, and rates	Doug Geisler: CaTastrophe in the SMC	Mariusz Gromadzki: Searching for the coolest brown dwarf in the Galaxy	11:45	12:00	Paolo Cassata: Ly-alpha haloes around normal star-forming galaxies at $2 < z < 5$	Paul Leyton: Reddening-free indices for the VISTA filter system	Alex Gormaz-Matamala: New solutions to line driven winds of hot massive stars	
12:00	12:05		12:00	12:05	Transit between rooms				12:00	12:05	Transit between rooms			12:00	12:05	Transit between rooms			
12:05	12:40		12:05	12:40	Invited talk: Médéric Boquien: Towards universal hybrid star formation rate estimators				12:05	12:40	Invited talk: Cristóbal Petrovich: Unstable planetary systems and the origin of the hot and warm Jupiters			12:05	12:40	Invited talk: Dominik Schleicher: Structure formation in the early Universe			
12:40	12:45		12:40	12:45	Questions				12:40	12:45	Questions			12:40	12:45	Questions			
12:45	14:15		12:45	14:15	Free time for lunch				12:45	14:15	Free time for lunch			12:45	14:15	Free time for lunch			
					Extragalactic: Local Universe											Extragalactic: Supermassive Black Holes I	Galactic: Galactic Structure and ISM		
14:15	14:30		14:15	14:30	María Argudo-Fernández: Evolution of Spiral Isolated Galaxies with MaNGA	Márcio Catelan: RR Lyrae Stars in omega Centauri: Near-IR Properties and Period-Luminosity Relations	Andreas Reisenegger: Old neutron stars still shine		14:15	14:30	Talk by awardee of grad student prize Felipe Garrido: Orbital evolution of supermassive black hole binaries from infalling clouds			14:15	14:30	George Privon: Dense Gas Tracers in the ULIRG IRAS 13120-5453	Gazinur Galazutdinov: Optical study of the largest molecule in space	Gustavo Aguayo: Optical study of the Be star Mu Centauri	
						Galactic: Star and Star Cluster Formation													
14:30	14:45		14:30	14:45	Valery Kravtsov: Chemical Evolution of Galaxies and the Formation of Massive Star Clusters	Karla Peña-Ramírez: From high mass stars to planetary mass objects	Cristóbal Espinoza: The evolution of young pulsars		14:30	14:45				14:30	14:45	Johannes Buchner: The role of nuclear gas and host galaxy gas for obscuring GRB and AGN	Manuela Zoccali: The Stellar Mass and Density Profile of the Galactic bulge	Claudia Aglozzo: A tale of the mass-loss of the magellanic LBV R127	
14:45	15:00		14:45	15:00	Sebastián Hidalgo: Radial gradients in dwarf galaxies from resolved stellar populations	Raúl Domínguez: Effects of the Initial Mass Function and Mass Segregation in the Evolution of Embedded Star Clusters	Javier Arenas: Can pulsar glitches be explained by "starquakes"?		14:45	15:00				14:45	15:00	Karina Rojas: Quasar accretion disks: size and temperature profile using microlensing	Dante Minniti: The Future of the VVV Survey	Keichi Ohnaka: Milliarsecond near-IR aperture-synthesis imaging of the red giant L2 Puppis with VLT/AMBER and VLT/NACO	

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 Updated 2016-02-23

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		Hotel Antofagasta			Salón Cobremar Salón Cerro Moreno Salón José Santos Ossa			Salón Cobremar Salón Cerro Moreno Salón José Santos Ossa			Salón Cobremar Salón Cerro Moreno Salón José Santos Ossa					
								Observatories			Supernovae					
15:00	15:15		15:00	15:15	Thomas Hughes: Tracing star formation with spatially-resolved [NII] 205 line emission in nearby galaxies	Michael Kuhn: Mass Segregation in Star-Forming Regions	Marilyn Cruces: On the low magnetic fields of millisecond pulsars	15:00	15:15	Antonio Hales (ALMA): ALMA Observations in Cycle 4	15:00	15:15	Carla Fuentes: NuSTAR Serendipitous Survey: Results from Magellanic	Sonia Duffau: Near-Field Cosmology with RR Lyrae Variable Stars: A first view of substructure in the Southern Sky	Lluís Galbany: IFS of supernova host galaxies	
							Variability and Time Domain									
15:15	15:30		15:15	15:30	Mónica Rubio: Dense Cloud Cores revealed by ALMA CO observations in the low metallicity dwarf galaxy WLM	Piera Soto-King: Star formation in the area of VV clusters La Serena 210, 211 and 212	Franz Bauer: A new type of X-ray transient	15:15	15:30	Miguel Roth (GMT): Updates on GMT	15:15	15:30	Alejandra Melo: Physical Properties of Hard X-ray Emitters in the NuSTAR Serendipitous Survey	Simón Ángel: Characterisation of stellar populations in the CFHTLS Deep fields	Ósmar Rodríguez: Type II supernovae as distance indicators at near-infrared wavelengths	
					Extragalactic: Galaxy Formation and Evolution I								Instrumentation			
15:30	15:45		15:30	15:45	Graeme Candlish: Exploring alternatives to LCDM through simulations	Danae Polychroni: Exploring the Importance of Location and Environment in Star Formation	Paula Sánchez: Characterization of the AGN variability in the optical and near infrared regimes	15:30	15:45	Nancy Levenson (Gemini): New Opportunities at Gemini Observatory	15:30	15:45	Joaquín Prieto: Cosmological mass transport on galactic nuclei	Leonardo Vanzri: Astronomical Instrumentation at the AIUC	Felipe Olivares: The nature of type IIb supernovae	
					Stars and Planets: Exoplanets and Solar System											
15:45	16:00		15:45	16:00	Stefano García (on behalf of L. Infante): Young galaxy candidates at z=7,8,9 and 10	Matías Jones: 6 years of the EXPRESS radial velocity survey	Alberto Sesana: Lessons on massive black hole binary astrophysics from pulsar timing arrays	15:45	16:00	Chris Smith (AURA): Update on LSST and other AURA Facilities	15:45	16:00	Cristina Romero: AGN activity in the advanced merger IC883	Rodrigo Reeves: ChSO, an opportunity for Chilean Submillimeter Astronomy and Instrumentation	Claudia Gutiérrez: Spectral diversity of type II Supernovae	
16:00	16:30	Registration	16:00	16:30	Coffee break			16:00	16:30	Coffee break	16:00	16:30	Coffee break			
16:30	16:45	Registration	16:30	16:45	Alejandra Muñoz-Arancibia: Modeling complex emission processes in galaxy populations through the Proxy-Matching technique	James Jenkins: New Planetary Systems from the Calan-Hertfordshire Extrasolar Planet Search and Core Accretion Mass Limit	Rodolfo Angeloni: The Sanduleak's star in the Large Magellanic Cloud	16:30	16:45	David Osip (LCO): Las Campanas Observatory	16:30	16:45	Tanio Diaz-Santos: The Striking ISM of the Most Luminous Galaxy in the Universe	Ricardo Bustos: A new site for low frequency astronomy in Chile	Katalin Takats: Searching for the progenitor of SN 2009ib	
16:45	17:00		16:45	17:00	José Utreras: The impact of rotation on star forming galaxies	Maritza Soto: Searching for transiting planets in the south	Mónica Zorotovic: Major problems of CV evolution and the existence of detached CVs in the period gap	16:45	17:00	Steffen Mieske (ESO): European Southern Observatory	16:45	17:00	Roberto Asef: Hot Dust Obscured Galaxies	Holger Drass: Implementation of the metrology system for MOONS		
17:00	17:15		17:00	17:15	Amber Roberts: Simulated absorption signals in quasar(QSO)-galaxy(GAL) pairs	Maximiliano Moyano: Broadband transmission Spectra of Hot Jupiters	Joris Vos: The unexpected eccentricity of long period hot subdwarf binaries	17:00	17:15	Franz Bauer: Proposing for ALMA Cycle 4 and beyond in Chile	17:00	17:15	Invited talk: Valentín González Galaxy Growth in the First 2 Billion years of the Universe.			
17:15	17:30		17:15	17:30	Vicente Villanueva: The molecular gas content in H-ATLAS galaxies up to z=0.4	Millarca Valenzuela: Chilean Meteorites: their heritage status and present research	Gergely Hajdu: RR Lyrae stars in binary systems	17:15	17:30	Andreas Reisenegger: Chilean participation in the Cherenkov Telescope Array (CTA) project	17:15	17:30				
					Galactic: Galactic Stellar Populations I											
17:30	17:45		17:30	17:45	Juan Molina: SINFONI-HIZELS, tracing the formation and evolution of star-forming galaxies across cosmic time	Carolina Sabin-Sanjulián: Properties of the O dwarf population in 30 Doradus	Francisco Paz-Chinchón: Rotational periods on Kepler planetary host stars: methods and results	17:30	17:45	General assembly	17:30	17:45	Wei Wang (CASSACA): China-Chile Collaboration in Astronomy and the Recent Work of CASSACA			
17:45	18:00	Registration	17:45	18:00	Eduardo Ibar: The molecular gas and dust content in "normal" star-forming galaxies at z = 1.46 & 2.23 observed with ALMA	Johanna Coronado: Assembling the most distant sample of halo wide binaries from SDSS	Maja Vuckovic: Asteroseismology of hot subdwarf stars	17:45	18:00		17:45	18:00	Luis Chavarría (CONICYT): How are we going to use the funds for the Chilean ARC?			
		Hotel Antofagasta			Hotel Antofagasta Estación Antofagasta Teatro Municipal			Hotel Antofagasta	Biblioteca Regional	Teatro Municipal			Hotel Antofagasta	Biblioteca Regional	Teatro Municipal	
18:00	18:15	Cocktail	18:00	18:15	Pedro Sanhueza: Starting the implementation Of the new Light Pollution Norm			18:00	18:15	General assembly	18:00	18:15	Questions; closing words.			
18:15	18:30		18:15	18:30				18:15	18:30		18:15	18:30				
18:30	19:00		18:30	19:00	Outreach talk: Andreas Reisenegger "Ondas gravitacionales: un nuevo canal de información del Universo"			18:30	19:00	Outreach talk: Juan Carlos Beamin "Respuestas que cambiaron nuestro Universo"	18:30	19:00		Outreach talk: Verónica Firpo "El cielo chileno como patrimonio cultural y científico de la Humanidad"		
19:00	19:30		19:00	19:30				19:00	19:30		19:00	19:30				
19:30	20:00		19:30	20:00				19:30	20:00		19:30	20:00				
20:00	21:00		20:00	21:00	Conference dinner			20:00	21:00		20:00	21:00	If you signed up for the trip to Paranal on March 5th, do not forget that the bus will depart at 11:00 h.			
21:00	22:00		21:00	22:00			21:00	22:00	Conference concert "Concierto del cosmos"	21:00	22:00					
22:00	23:00		22:00	23:00			22:00	23:00		22:00	23:00					