



Second Binational Meeting AAA-SOCHIAS Hotel Club La Serena, Oct. 7-12



Sunday, October 7 2018

16:00-19:00 Registration (Lobby) and Poster set up (Patio Tololo)

Monday, October 8 2018

Plenary Session I (Gran Elqui Room). Chair: TBD

8:30 Inauguration Ceremony

9:30 Charla Premio Jorge Sahade - Félix Mirabel (Title BD)

10:20 - 10:50

Coffee Break (Patio Tololo and Lobby)

Plenary Session II (Gran Elqui Room). Chair: TBD

10:50 Florencia Vieyro: "Compact Objects and high energy processes" [OCPAE]

11:40 Raúl Angulo: TBD [AEC]

Parallel Session I

Gran Elqui Room
Chair: TBD

Incahuasi Room
Chair: TBD

12:30 Agostina Filócomo (655): "T-Tauri stars as counterpart of unassociated gamma-ray sources" [OCPAE]

12:45 Facundo Albacete Comombo (647): "X-ray haloes and diffuse emission in the Cygnus OB2 association" [OCPAE]

13:00 - 14:30

Lunch

Second Binational Meeting AAA-SOCHIAS
Hotel Club La Serena, Oct. 7-12

Parallel Sesion II			
	Elqui 1 Room Chair: TBD	Elqui 2 Room Chair: TBD	Incahuasi Room Chair: TBD
14:30	Luciano Combi (720): “First Pulsar observations in South America” [OCPAE]	Edo Ibar (677): “The VALES survey: a new look to the molecular gas content in low-redshift galaxies” [AEC]	Andrés Ruiz: “Cosmology with voids” [AstroNum]
15:00	Eduardo Mario Gutiérrez (653): “Radiation from hot accretion flows onto black holes” [OCPAE]	Alejandra Muñoz (847): “Lensing-corrected 1.1mm number counts in the ALMA Frontier Fields Survey” [AEC]	Enrique Paillas: “Unveiling modified gravity with cosmic voids” [AstroNum]
15:15	Camilo Fontecilla (850): “Longterm Evolution of Supermassive Black Hole Binaries” [OCPAE]	Ezequiel Treister (787): “ALMA and IFU Studies of Dual AGN in the Local Universe” [AEC]	Federico Dávila (778): “Orientation of Galactic Disks Around Illustris Voids” [AstroNum]
15:30	Vanesa Díaz (814): “Impact of radiation backgrounds on the formation of massive black holes” [OCPAE]	Roy Slater (819): “The kinematics in the inner kiloparsec of nearby active galaxies as revealed by molecular (ALMA) and ionized gas (Gemini-GMOS/IFU)” [AEC]	Cristian Vega (764): “MultiDark-Galaxies: studying galaxy formation in large scales” [AstroNum]
15:45	Diego Javier Ramón Sevilla (725): “A simple pile-up model for time series analysis” [OCPAE]	Venkatessh Ramakrishnan (856): “Nuclear kinematics in nearby AGN” [AEC]	Jonathan Gomez: “Merger Trees Comparison: Impact on The Semi-Analytic Model GALFORM” [AstroNum]
16:00-16:30 Coffee Break (Patio Tololo and Lobby)			

Second Binational Meeting AAA-SOCHIAS
Hotel Club La Serena, Oct. 7-12

Parallel Session III			
	Elqui 1 Room Chair: TBD	Elqui 2 Room Chair: TBD	Incahuasi Room Chair: TBD
16:30	Francisco Castillo (781): "Magnetic field evolution in neutron star cores" [OCPAE]	Yaherlyn Diaz (652): "Origin of high ionization lines in active galactic nuclei" [AEC]	Pedro Cataldi (671): "Effects of halo shape in driving the contraction of dark matter haloes in Lambda-CDM simulations" [AstroNum]
16:45	Gastón Javier Escobar (815): "Production and propagation of neutrons in microquasar jets" [OCPAE]	Ivan Lacerna - 649: "Large-scale environment and optical AGN in isolated elliptical galaxies" [AEC]	Diego Palleró (923): "Tracing the Quenching History in Galaxy Clusters in the EAGLE Simulation" [AstroNum]
17:00	Cristóbal Espinoza (785): "Pulsar physics with the frantic PSR J0537-6910" [OCPAE]	Konstantina Boutsia (848): "The contribution of faint AGN to reionization" [AEC]	Antonios Katsianis (925): "The evolution of the galaxy star formation rate function and star formation rate-stellar mass relation at $z \sim 0-8$ " [AstroNum]
17:15	Christopher Russell (833): "The inner parsec of the Galactic center: hydrodynamics, X-ray synthesis, and 360° videos" [OCPAE]	Claudio Ricci (824): "The circumnuclear environment of of accreting supermassive black holes" [AEC]	Matias Suazo (678): "Fragmentation in the formation of Super Massive Black Hole seeds" [AstroNum]
17:30	Bidisha Bandyopadhyay (695): "Accretion models for LLAGNs: Model Parameter Estimation and Prediction of their Detectability" [OCPAE]	Dominik Schleicher (788): "Formation of massive black holes via collisions and accretion" [AEC]	Sofia Cora (740): "Revealing the role of environmental and mass quenching with SAG " [AstroNum]
17:45	Agustín Matías Carulli (716): "Neutrino production in Pop III microquasars" [OCPAE]	Gabriel Oio (886): "Gas Outflows unveiled by GEMINI GMOS-IFU" [AEC]	Fede Stasyszyn (763): "Faraday Rotation Measure dependence with galaxy clusters dynamics" [AstroNum]
18:30	Welcome Reception : Salón Gran Elqui		

Second Binational Meeting AAA-SOCHIAS
Hotel Club La Serena, Oct. 7-12

Tuesday, October 9, 2018

Plenary Session III (Salón Gran Elqui). Chair: TBD

9:00 Lorenzo Mónaco: "The Lithium content of globular clusters" [SE]

9:50 Karla Peña: TBD [AE]

10:40 - 11:10

Coffee Break (Patio Tololo and Lobby)

Parallel Session IV

Elqui 1 Room

Chair: TBD

Elqui 2 Room

Chair: TBD

Incahuasi Room

Chair: TBD

11:10

Federico González (758): "A novel technique for the detection of faint secondary companions in spectroscopic binaries" [AE]

Kathy Vivas (836): "RR Lyrae Stars in Ultra-Faint Dwarf Satellites and their Role in the Formation of the Milky Way" [SE]

Sol Alonso (713): "Nuclear activity in spiral galaxies: effects of bars versus interactions" [AEC]

11:40

Luna, G. J. M. (646): "Accretion disks in symbiotic stars" [AE]

Fernanda Urrutia (704): "The formation of compact dwarf ellipticals through merging star clusters" [SE]

Médéric Boquien (825): "Finding the weirdest SDSS-IV/MaNGA galaxies" [AEC]

11:55

Rodolfo Angeloni (668): "RAMSES II - A Raman Search for Extragalactic Symbiotic Stars" [AE]

Mirko Simunovic (841): "Constraints on blue straggler formation mechanisms from proper motions and multi-band photometry in Galactic globular clusters" [SE]

Hwihyun Kim (874): "Cluster Catalogs and Visual Classifications of LEGUS Star Cluster Candidates" [AEC]

12:10

Carolina Garay (707): "Two elusive symbiotic systems" [AE]

Valery Kravtsov (854): "Radial trends in Galactic globular clusters and their possible origin" [SE]

Evelyn Johnston (863): "Characterization of an Isolated Dwarf-Dwarf Galaxy Interaction at $z=0.3$ " [AEC]

12:25

André-Nicolas Chené (817): "Gemini follow-up of VVV results on Open star clusters" [AE]

Bruno Dias (761): "Age and metallicity spatial distribution of star clusters in the SMC reveals a complex tidal history" [SE]

Daniela Barrientos (735): "Testing the breakdown of the main sequence of star forming galaxies" [AEC]

Second Binational Meeting AAA-SOCHIAS
Hotel Club La Serena, Oct. 7-12

12:40	Nicolás Medina (909): “An automated tool to detect variable sources in the Vista Variables in the Vía Láctea survey” [AE]	Ricardo Salinas (729): “A runaway star cluster in the outer disc of the LMC” [SE]	Damián Mast (835): “Effects of environment on sSFR profiles of late type galaxies in the CALIFA survey” [AEC]
12:55	Jaime Andrés Rosales (828): “Analyzing the long term variability of the Double Periodic Variable HD 50526” [AE]	Cesar Briceno (855): “Demographics of the young, low-mass stellar populations in the Orion OB1 association” [SE]	Daniela Olave-Rojas (641): “Galaxy pre-processing: red and blue galaxy fractions in substructures around $z \sim 0.4$ galaxy clusters” [AEC]

13:10-14:30

Lunch

Plenary Session IV (Salón Gran Elqui.) Chair: TBD

14:30 Melina Bernsten: TBD [AE]

Parallel Session V

Gran Elqui Room

Chair: TBD

15:20 Lucia Guaita (771): “MUSE observations of the dense environment around the submillimeter galaxy AzTEC-3 at $z=5.3$ ” [AEC]

15:35 Ana Pichel (792): “On the redshift estimation of VHE blazars” [AEC]

15:50 Valentino Gonzalez (808): “The Stellar Mass and SFRs of very faint Galaxies at $z \sim 4 - 8$ ” [AEC]

Incahuasi Room

Chair: TBD

Rubén San Martín-Pérez (813): “Exploring dynamo effects in DPV systems” [SE]

Felipe Lagos (675): “Formation of close WD+FGK binaries by triple dynamics in the context of SNe Ia progenitors” [SE]

Cinthy Nazarena Rodríguez (694): “Spectral-photometric analysis of the binary system HM1 8”

**Second Binational Meeting AAA-SOCHIAS
Hotel Club La Serena, Oct. 7-12**

16:05-16:35		Coffee Break (Patio Tololo and Lobby)	
Parallel Session VI			
	Gran Elqui Room Chair: TBD		Incahuasi Room Chair: TBD
16:35	Ricardo Amorin (818): "Early stages of galaxy evolution revealed by young metal-poor galaxies at cosmic noon" [AEC]		Matias Jones (867): "Deriving (sub)stellar companion masses from combined radial velocity and Hipparcos astrometric data" [SE]
16:50	Sebastián Lopez (681): "Enriched gas around high-redshift galaxies: fresh clues from gravitational-arc tomography" [AEC]		Pantoja Blake (901): "SAFARI: Direct Imaging of Low-Mass Companions of Stars from Radial Velocity Planet Search Programs" [SE]
SOCHIAS General Assembly Gran Elqui Room			
17:05	Member's meeting: Annual report and vote for Board of Directives 2018-2020.		
20:30	Light Pollution Workshop (Sign up at Registration Desk for this activity)		

**Second Binational Meeting AAA-SOCHIAS
Hotel Club La Serena, Oct. 7-12**

Wednesday, October 10, 2018

Plenary Session V (Sal3n Gran Elqui.) Chair: TBD

9:00 Manuela Zoccali: TBD [EG]

9:50 TBD [ICSA]

10:20 - 11:00

Coffee Break (Patio Tololo and Lobby)

Parallel Session VII

Elqui 1 Room

Chair: TBD

Elqui 2 Room

Chair: TBD

Incahuasi Room

Chair: TBD

11:10

Javier Alonso-García (667): "Stellar Populations and Extinction Law in the Inner Galaxy as Revealed by the VVV Survey" [EG]

Yuvineza G3mez Leyton (650): "Truncated gamma-exponential models for multi-mass systems" [SE]

Giuliano Pignata (889): "SOXS and FAST: Two astronomical instrumentation projects at Universidad Andr3s Bello" [ICSA]

11:25

Ignacio Gargiulo (846): "Formation and properties of galactic bulges in MW-sized haloes in the AURIGA simulations" [EG]

Julio Chanam3 (843): "Probing the weak regime of gravity in the absence of dark matter" [SE]

Sebasti3n Z3niga (895): "NPF: mirror development in Chile" [ICSA]

11:40

Guillermo Blanc (760): "The Sloan Digital Sky Survey V: Pioneering Panoptical Spectroscopy" [EG]

Daniela Iglesias (750): "Buscando exocometas en discos de escombros" [SE]

Cesar Briceno [838]: "The SOAR Telescope as a Node in a Time-Domain Followup Network: Concepts and Plans" [ICSA]

12:00

Observatory Tours Depart from the Hotel

14:00

Communication of Science Workshop (complementary activity) Gran Elqui Room

Informal Dinner

20:00

Informal Dinner at Restaurant Huntelauqu3n (Avenida del Mar #4400, La Serena). Pre-payment required for all participants.

Second Binational Meeting AAA-SOCHIAS
Hotel Club La Serena, Oct. 7-12

Thursday, October 11, 2018

Plenary Session VIII (Salón Marbella). Chair: TBD.

9:00 Mónica Rubio: "Molecular gas and Star Formation in the Magellanic Clouds" [MI]

9:50 Cristina Mandini: "Magnetic Energy Release and Topology in Solar Active Phenomena" [SH]

10:40 - 11:10

Coffee Break (Patio Tololo and Lobby)

Parallel Session VIII

	Elqui 1 Room Chair: TBD	Elqui 2 Room Chair: TBD	Incahuasi Room Chair: TBD
11:10	Daniela Barría (880): "The ionized halo of IC 5148" [MI]	Doug Geisler (690): "Chemistry, Kinematics and Ages of Bulge Globular Clusters" [EG]	Claudia Scóccola (692): "QUBIC: the Q&U bolometric interferometer for Cosmology" [AEC]
11:40	L. Supán (745): "Low radio frequency observations and G51.04+0.07: Identification of a new Galactic supernova remnant" [MI]	Tali Palma (881): "New Candidate Globular Clusters in the Milky Way Discovered by the VVV Survey" [EG]	Loic Maurin (797): "Observing the Cosmic Microwave Background with the Atacama Cosmology Telescope" [AEC]
11:55	M.B. Areal (648): "Multiscale and multiwavelength study of the massive young stellar object G29.862-0.044" [MI]	Thomas Puzia (864): "The Next Generation Fornax Survey (NGFS)" [EG]	Bruno Sánchez (726): "Searching for the next Gravitational Wave Electromagnetic Counterpart" [AEC]
12:10	J. Zamponi (693): "Synthetic observations of H ₂ D ⁺ and D ₂ H ⁺ toward high-mass starless cores" [MI]	Sebastián Marchi (779): "A Single Sersic Index-Effective Radius Relation between Milky Way Outer Halo Satellites." [EG]	Felipe Olivares (753): "A Correlation for Cosmology from the Homogenization of GRB-associated Supernova Observations" [AEC]
12:25	C. Orquera (754): "Interferometric mapping the magnetic field in the remarkable W43 high-mass star-forming region with ALMA" [MI]	Catalina Aravena (853): "Star formation of Faint and Ultra-Faint dwarfs Spheroidal Galaxies" [EG]	Carlos López-Caraballo (866): "Hunting the polarization of the Cosmic Microwave Background emission using Component Separation Methods" [AEC]

Second Binational Meeting AAA-SOCHIAS Hotel Club La Serena, Oct. 7-12

12:40	S. Bovino (688): "The first computational astrochemistry laboratory in Chile" [MI]	Emanuel Sillero (672): "Chemical abundance patterns of interacting galaxies" [EG]	Nicolás Tejos (869): "Stochastic Order Redshift Technique (SORT)" [AEC]
12:55			Fernanda Milla (793): "The VISTA Variables in the Vía Láctea Survey and the Large-Scale Structure of the Universe" [AEC]
13:10 - 14:35 Lunch			
Parallel Session IX			
	Elqui 1 Room Chair: TBD	Elqui 2 Room Chair: TBD	Incahuasi Room Chair: TBD
14:35	Fabio Falchi: Light Pollution Map [O]	Mario Abadi (696): "Bars and Rings in Cosmological Simulations of Galaxy Formation" [AstNum]	Jonathan Quirola (741): "The Exceptional X-ray Evolution of SN, 1996cr in High Resolution" [AE]
14:50			Jonathan Pineda (777): "A bolometric rise time study of stripped-envelope Supernovae" [AE]
15:05	Mauricio Pilleux (842): "Status of the Giant Magellan Telescope Project" [ICSA]	Alex Alarcón (683): "Chemo-Kinematical substructures in Leo I, a prediction of the dissolving star cluster model" [AstNum]	Natalie Ulloa (790): "A Yellow-Red High-Resolution Spectroscopic Atlas of O-type standard stars" [AE]
15:20	Arlette Chacon (872): "Evaluation of Nowcast Array over Paranal" [ICSA]	Antonela Monachesi (908): "The stellar halos of the Auriga simulations: Decoding the merger history of galaxies" [AstNum]	Carolina Sabin-Sanjulian (727): "Properties of massive stars in Galactic binary systems" [AE]
15:35	Holger Drass (873): "MOONS Metrology System" [ICSA]	Martín de los Ríos (700): "Measuring the cosmological parameters with Machine Learning techniques" [AstNum]	Javier Arancibia (697): "Age estimation and cluster membership in Collinder 359" [AE]
15:50		Nelson Padilla (795): "The effect of assembly bias on redshift space cosmological constraints" [AstNum]	Keiichi Ohnaka (918): "3-D infrared interferometric mapping of the atmospheric dynamics of the red giant star R Dor" [AE]
16:05	Coffee Break (Patio Tololo and Lobby)		

**Second Binational Meeting AAA-SOCHIAS
Hotel Club La Serena, Oct. 7-12**

Parallel Session X			
	Elqui 1 Room Chair: TBD	Elqui 2 Room Chair: TBD	Incahuasi Room Chair: TBD
16:35	Hebe Cremades (903): “Expansion and self-similarity of coronal mass ejections from multi-viewpoint observations” [SH]	Matias Blana (826): “Sculpting Andromeda from a Box – made-to-measure models for M31’s bar and composite bulge: dynamics, stellar and dark matter mass” [AstNum]	Murat Uzundag (682): “Astroseismic Analysis of Subdwarf B Variable Stars of KIC 10001893 and EPIC 220641886” [AE]
16:50		Bastián Reinoso (674): “Formation of very Massive objects through runaway stellar collisions in the early Universe” [AstNum]	Juan Ignacio Peralta (657): “Effective Collision Strength data in the Mg atomic model for solar and stellar models” [AE]
17:05	Cecilia Mac Cormack (640): “Searching for scaling-laws in quiet-Sun coronal loops” [SH]	Diego Matus (730): “Modelling the Canes Venatici I dSph” [AstNum]	Karleyne Silva (860): “Modeling accretion columns of the polar EV UMa” [AE]
17:20	Diego Lloveras (642): “Distribution of Iron Abundance in the Solar Corona” [SH]		
Astroinnova talk (Biblioteca Gabriela Mistral, Juan José Latorre# 782, La Serena)			
18:30-20:00	Outreach talk (in Spanish) for general public. Speakers: Melina Bernsten and Giuliano Pignata. Moderator: Mark Phillips.		
Stargazing night with the public			
20:30-22:30	Stargazing night with the general public. Location: TBD.		

Second Binational Meeting AAA-SOCHIAS Hotel Club La Serena, Oct. 7-12

Friday, October 12, 2018

Plenary Session IX (Salón Gran Elqui.) Chair: TBD

- 8:45 Paula Varsavsky: TBD
- 9:00 **AAA Thesis Award** María Paula Ronco: “Formation of Solar System Analogues through N-body simulations and water delivery on potentially habitable planets”
- 9:50 Rodrigo Díaz: TBD [SSE]

10:40-11:10

Coffee Break (Patio Tololo and Lobby)

Parallel Session XI

	Elqui 1 Room Chair: TBD	Elqui 2 Room Chair: TBD	Incahuasi Room Chair: TBD
11:10	Patricio Fibla (733): “Formation of carbon-enhanced metal poor (CEMP) stars in the early Universe”	Roberto Assef (772): “Hot, Dust- Obscured Galaxies” [AEC]	R. Brahm (794): “Warm and Cold Jupiters in the TESS Era” [SSE]
11:40	Rafeel Riaz (731): "Proto-binary systems via disk fragmentation" [AE]	María Cecilia Scalia (663): “Analysis of Lick Indices in a sample of early-type galaxies in the Virgo cluster” [AEC]	G. Mansir (892): “Bayesian Analysis of Transit SIGNAL (BatSignal) Software for Fitting Multiple Planetary Transits” [SSE]
11:55	Carla Arce-Tord (802): “Impact of magnetic field on high-mass star formation: The case study of the W43-MM1 Pre- proto stellar cluster” [AE]	Nélida González (651): “The faint galaxy content of Pegasus I” [AEC]	P. Cortés (811): “In the search for Transit Timing Variations (TTV) in hot Jupiters within the TraMoS project” [SSE]
12:10	Carolina Agurto-Gangas (728): “Revealing the dust grain sizes in the envelope of the Class I protostar Per-emb-50” [AE]	Federico Campuzano (654): “Chemodynamic in Blue Compact Dwarf galaxies: II Zw 33 and Mrk 600” [AEC]	R. Ramirez (807): “Searching for the atmosphere of the habitable zone rocky planet LHS1140b” [SSE]
12:25	Suarez, Alejandra Etelvina (659): “On the nature of the jet-like radio/X-ray morphology of G309.2-0.6” [AE]	Ciria Dias (670): “A multi-band morphological analysis of the Hydra Cluster members” [AEC]	O. Guilera (732): “On planet formation including update type I migration rates” [SSE]

**Second Binational Meeting AAA-SOCHIAS
Hotel Club La Serena, Oct. 7-12**

12:40	Alex Gormaz-Matamala (876): “Self-consistent solutions for line-driven winds of hot massive stars I: the m-CAK procedure” [AE]	Leandro Sesto (717): “Young globular clusters in NGC 1316” [AEC]	L. Cieza (757): “The Ophiuchus Disk Survey Employing ALMA (ODISEA)” [SSE]
12:55	Catalina Arcos (884): “Spectro-interferometric observations of a sample of Be stars: Setting limits to the geometry and kinematic of stable Be disks” [AE]	Lorenzo Morelli (776): “Stellar populations in the bulges of isolated galaxies” [AEC]	J. Jenkins (917): “Utilising photometric activity measurements to understand the origin of newly detected small radial velocity signals” [SSE]

13:10 - 14:30

Lunch

Parallel Session XII

Elqui 1 Room

Chair: TBD

14:30	G. Pinto (722): “Strewn field and entrance characteristics of the Pampa-A meteor, Antofagasta Region, northern Chile” [SSE]
14:45	N. Rossignoli (664): “Craterization and age of Saturn’s small satellites” [SSE]
15:00	J Milli (831): “A search for debris discs with high-contrast imaging” [SSE]

Incahuasi Room

Chair: TBD

R.V. Ibañez Bustos (774): “First long-term activity analysis of southern dM stars” [AE]

Ignacio Araya (830): “Co-existence and switching between fast and Omega-slow wind solutions in rapidly rotating massive stars” [AE]

Plenary Session IX (Sal6n Gran Elqui.) Chair: TBD

15:15 Britt Lundgren: TBD [HEDA]

13:10-14:30

Coffee Break (Patio Tololo and Lobby)

**Second Binational Meeting AAA-SOCHIAS
Hotel Club La Serena, Oct. 7-12**

Parallel Session XII

Elqui 1 Room

Chair: TBD

Incahuasi Room

Chair: TBD

16:35

Rodolfo Angeloni (676): "Ethno and Archaeoastronomy in Northern Chile" [HEDA]

T. Paneque (823): "A complete study of the Chromospheric Activity in sun-like stars and its consequence in the detection of exoplanets." [SSE]

16:50

Maria del Carmen Argudo Fernández (743): "AstroBVI: Kit educacional de Astronomía para la comunidad con discapacidad visual en América del Centro y del Sur" [HEDA]

J. Vines (737): "New Ultracool Dwarf and Brown Dwarf Binary Systems from the Calan-Hertfordshire Extrasolar Planet Search" [SSE]

17:05

Cintia Peri (870): "Producciones audiovisuales en el Planetario Ciudad de La Plata: 'El camino eterno. En búsqueda del cielo estrellado'." [HEDA]

G. Pena (912): "Principal Component Analysis in a Direct Imaged system by the HST" [SSE]

17:20

Fernanda Urrutia (919): "Viaje al Universo" [HEDA]

17:35

End of activities