

16th Hellenic Astronomical Conference			
<i>Last update: 16 June 2023</i>		Oral Contributions:	93
		Poster Contributions:	46
Participant	Affiliation	Title	Type
Session 1 - Heliophysics and the Solar System			
Zouganelis Yannis	ESA	Unlocking the Secrets of the Sun: Early Discoveries and Future Prospects of the Solar Orbiter Mission	Plenary
Belehaki Anna	National Observatory of Athens	European Research Infrastructures to support ionospheric monitoring and modeling capabilities	Invited
Georgoulis Manolis	Academy of Athens, RCAA	Fundamental Understanding and Forecasting of Solar Energetic Events	Invited
Nindos Alexander	University of Ioannina	Recent advances in our understanding of the solar chromosphere	Invited
Tsinganos Kanaris	National & Kapodistrian University of Athens	Latest developments in understanding our Sun via recent space probes, in conjunction with the pioneering discoveries of the four Voyager spacecraft	Invited
Aminalragia-Giamini Sigiava	SPARC; NKUA	Characterization of the Sun-Earth L2 radiation environment using ESA Standard Radiation Environment Monitor (SREM) measurements	Oral
Anastasiadis Anastasios	National Observatory of Athens	Are we ready for the next giant leap?	Oral
Athanasopoulos Dimitrios	National & Kapodistrian University of Athens	Ancient Asteroids: An observing campaign reveals the spin states of asteroids that belong to the most ancient collisional families of our Solar System	Oral
Boutsi Zoe	National Observatory of Athens	Investigation of the Geomagnetically Induced Current Index Levels in the Mediterranean Region During the Strongest Magnetic Storms	Oral
Chouliaras Georgios	University of St. Andrews	Magnetic flux emergence: Effects of partial ionisation	Oral
Daglis Ioannis	University of Athens	Predicting the dynamics of outer Van Allen belt relativistic electrons	Oral
Dakanalis Ioannis	UOA, NOA/IAASARS	Detection and line profile analysis of swirling structures on the solar atmosphere from multiwavelength observations	Oral
Dimitrakoudis Stavros	National & Kapodistrian University of Athens	Long-term Trends and Occurrence Distributions of Geomagnetic Fluctuations as Revealed by 37 Years of CARISMA Observations at 5 stations	Oral
Georgakarakos Nikolaos	New York University Abu Dhabi	An explanation for the number asymmetry between the L4 and L5 Jupiter Trojans.	Oral
Katsavrias Christos	National & Kapodistrian University of Athens	Properties of periodic density structures (PDSs) from L1 to 1 AU and related magnetospheric response	Oral
Kontogiannis Ioannis	Leibniz Institute for Astrophysics Potsdam	The evolution of net electric currents in solar active regions hosting delta-spots	Oral
Kotsiourou Varvara	National & Kapodistrian University of Athens	Effect of magnetospheric substorms on the enhancement of the ring current according to observations from the Van Allen Probes mission	Oral
Kouloumvakos Athanasios	The Johns Hopkins University	Energetic Particle Measurements from the Suprathermal Ion Spectrograph (SIS) during the the First 3 Years of SoLO mission	Oral
Liakos Alexios	IAASARS/National Observatory of Athens	NELIOTA: Results from the 6.5 yr monitoring campaign for lunar impact flashes	Oral
Malandraki Olga	NOA/IAASARS	Forecasting and analysis of solar particle radiation storms: A state-of-the-art solution provided by the HESPERIA SEP Real-Time Forecasting System	Oral
Misios Stergios	National Observatory of Athens	Solar cycle influences on the atmosphere and climate	Oral
Moraitis Kostas	University of Ioannina	Understanding a flux emergence simulation through magnetic helicity	Oral
Moutsouroufi Konstantina	National & Kapodistrian University of Athens	A Magnetospheric Stress Index: Construction and application to Saturn magnetosphere using long-term Cassini measurements.	Oral
Nasi Afroditi	University of Athens	Investigating the acceleration efficiency of VLF/ULF waves on different populations of outer radiation belt electrons, through multi-point measurements	Oral
Paouris Evangelos	GMU & JHU/APL	CME forecasting from the L5 Lagrangian point utilizing STEREO-A heliospheric imagers	Oral
Papadimitriou Constantinos	National & Kapodistrian University of Athens	Information-theoretic measures for electron acceleration in the outer radiation belt	Oral
Vlahos Loukas	Aristotle University of Thessaloniki	Transport of particles in a fractal environment of coherent structures	Oral
Zhuleku Eugene	University of Ioannina	3D MHD magnetic flux emergence simulations of toroidal flux tubes in the Sun	Oral
Antonopoulou Alexandra	National Observatory of Athens	Convolutional Neural Networks for Automated ULF Wave Classification in Swarm Time Series	Poster
Balasis Georgios	National Observatory of Athens	Investigation of Dynamical Complexity in Swarm-Derived Geomagnetic Activity Indices Using Information Theory	Poster
Belli Olga	National & Kapodistrian University of Athens	Study of the Ring Current Response to ICMEs and CIRs	Poster
Dimitrakoula Adamantia	National & Kapodistrian University of Athens	Impact of Interplanetary Coronal Mass Ejections on the dynamic variations of the electron population in the outer Van Allen belt	Poster

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Giannakis Omiros	National Observatory of Ath	TACTICIAN: AI-based applications for knowledge extraction from ESA's missions' scientific publications	Poster
Gontikakis Costis	Academy of Athens, RCAAM	Study of the evolution of hot plasma emission prior to flares and CMEs	Poster
Lavasa Eleni	National & Kapodistrian Uni	Investigation of the physical properties of SEP events observed by Solar Orbiter, using the focused transport equation.	Poster
Moutsiana Georgia	University of Athens / IASA	A statistical study of the features of ion acceleration events in the Jovian magnetotail using Juno/JEDI data	Poster
Papadopoulos Alexis	Medical Physics Laboratory	Space radiation quality factor for Galactic Cosmic Rays and typical space mission scenarios using a microdosimetric approach	Poster
Papaioannou Athanasios	National Observatory of Ath	Predicting the Impact of Solar Energetic Particles - the ADVISOR Research Project	Poster
Sioulas Nikolaos	UCLA	Magnetic field spectral evolution in the inner heliosphere	Poster
Thanasoula Konstantina	National & Kapodistrian Uni	The dependence of radial diffusion coefficients on solar/interplanetary drivers	Poster
Triantopoulou Alexandra	National & Kapodistrian Uni	Impact of high-speed solar wind streams on the dynamic variations of the electron population in the outer Van Allen belt	Poster
Session 2 - Extragalactic Astronomy and Astrophysics			
Speaker	Affiliation	Title	Type
Forster Schreiber Natascha	MPE Garching	Star-forming Galaxies at Cosmic Noon and Beyond	Plenary
Georgantopoulos Ioannis	National Observatory of Ath	X-ray Active Galactic Nuclei at high redshift	Invited
Rodighiero Giulia	University of Padova	Constraints on early galaxy formation from the JWST	Invited
Charalampopoulos Panos	University of Turku	Modeling the polarized light of Tidal Disruption Events	Oral
Chira Maria	IAASARS, NOA	Forward-modeling the cosmic accretion history	Oral
Daoutis Charalampos	IA - FORTH & Univ. of Crete	A versatile classification tool for galactic activity using optical and infrared colors	Oral
Dasyra Kalliopi	National & Kapodistrian Uni	Linking molecular clouds in outflows to star formation	Oral
Dimopoulos Georgios	Universidad Diego Portales	Exploring the circumnuclear environment of SMBHs using ray-tracing simulations in the X-ray band	Oral
Drigga Eleftheria	NOA, AUTH	Properties and Evolution of Active Galactic Nuclei in Galaxy Clusters	Oral
Gizani Nectaria	HOU, SST	On the Hellenic radio telescope THERMOpYlae	Oral
Harsoula Mirella	Academy of Athens, RCAAM	Different mechanisms supporting rings and spiral arms in galaxies	Oral
Katsianis Antonios	SYSU / SJTU	The star formation of galaxies for the last 13 billion years.	Oral
Kolokythas Konstantinos	North-West University	En route to the SKA era: MeerKAT's sharp new view on galaxy clusters	Oral
Kourakou Mado	National & Kapodistrian Uni	Stellar mass function of ARC radiogalaxies	Oral
Kouroumpatzakis Konstantinos	Astronomical Institute, Czech	Infrared star-formation rate and stellar mass calibrations and their dependence on stellar population age and extinction	Oral
Kyritsis Elias	IA - FORTH & Univ. of Crete	The first unbiased survey of star-forming galaxies with eROSITA: Scaling relations and a population of X-ray luminous starbursts	Oral
Leloudas Giorgos	DTU Space	Searching for the electromagnetic counterparts of gravitational waves	Oral
Maragkoudakis Alexandros	NASA Ames Research Cent	Spectral variations among different scenarios of PAH processing or formation	Oral
Meyer Eileen	University of Maryland Baltir	The Unsolved Problem of Jets from Black Holes	Oral
Migkas Konstantinos	Leiden University	Cross-calibration of eROSITA cluster temperatures with other X-ray telescopes	Oral
Panagiotou Christos	MIT	Reproducing the UV/optical variability of AGN	Oral

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Paspaliaris Evangelos-Dimitrios	NOA & AUTH	Star-forming early-type galaxies and quiescent late-type galaxies in the local Universe.	Oral
Patsis Panos	Academy of Athens, RCAAM	The gas inflow in the central kiloparsec of galactic bars	Oral
Sinnis Charalampos	National & Kapodistrian Uni	Numerical investigation of instabilities in relativistic magnetized jets	Oral
Spetsieri Zoi Tzogia	EPFL	First direct measurement of the stellar association bias in the SN host galaxy M101	Oral
Vardoulaki Eleni	Thüringer Landessternwarte	"Radio AGN in COSMOS are awesome" say their hosts and large-scale environment	Oral
Vernardos Georgios	City University of New York	Gravitational lensing in the era of big surveys: current status and challenges	Oral
Zeas Andreas	IA - FORTH & Univ. of Crete	The STAR-X mission: the next frontier in wide-area and monitoring surveys	Oral
Daoutis Charalampos	IA - FORTH & Univ. of Crete	A holistic approach in optical galactic activity diagnostics	Poster
Georganopoulos Markos	University of Maryland- Balti	The first hard X-ray spectrum of a kpc-scale jet with NuSTAR	Poster
Kallimanis John	National & Kapodistrian Uni	The Influence of Shocks on the Jet-impacted Gas Emission of IC5063	Poster
Karagiannis Anastasios	National & Kapodistrian Uni	The era of Big Data astronomy/astrophysics has begun, and the combination of photometric data from different surveys provide a unique	Poster
Kefallinou Olga	National & Kapodistrian Uni	Models of non-thermal gamma radiation of blazars	Poster
Koutsoumpou Evgenia	National & Kapodistrian Uni	Investigating the Impact of Black Hole Jets on the Interstellar Medium of IC 5063	Poster
Kyritsis Elias	IA - FORTH & Univ. of Crete	The Heraklion Extragalactic Catalogue (HECATE v2.0): A value-added catalogue and its applications	Poster
Mandarakas Nikolaos	IA - FORTH & Univ. of Crete	Optical Polarimetry of nearby galaxies	Poster
Panagiotou Christos	MIT	A luminous dust-obscured Tidal Disruption Event candidate in a star forming galaxy at 42 Mpc	Poster
Politakis Charalampos	IA - FORTH & Univ. of Crete	X-Ray Binary Luminosity Functions for Nearby Galaxies	Poster
Session 3 - Cosmology and Relativistic Astrophysics			
Speaker	Affiliation	Title	Type
Kramer Michael	MPIFR	Radio pulsars as probes of fundamental physics - and more	Plenary
Antonopoulou Danai	University of Manchester	Large-scale superfluidity in neutron stars	Invited
Reville Brian	MPIK	Relativistic astrophysical jets	Invited
Agalianou Vera	University of Ioannina	The rocket effect mechanism in neutron stars in supernova	Oral
Antoniadis John	IA FORTH	Updates on the search for low-frequency gravitational waves with pulsar timing arrays	Oral
Antonopoulou Eleni	National & Kapodistrian Uni	Tackling the SgrA* orbital motion riddle with a new General-Relativistic Ray Tracing code	Oral
Boula Stella	IFJ PAN	Generalized Hybrid Kinetic Simulations of Particle Acceleration at Merger Shocks in Galaxy Clusters	Oral
Contopoulos Ioannis	RCAAM, Academy of Athen	Novel Features of the Pulsar Magnetosphere	Oral
Dimitropoulos Ioannis	University of Patras	Sgr A* flares, an electromagnetic signal and more	Oral
Giannios Dimitrios	Purdue Univ.	Particle Acceleration in Blazar jets	Oral
Gourgouliatos Konstantinos	University of Patras	Pulsar - Supernova Remnant Associations: Implications for magnetic field evolution and pulsar initial periods	Oral
Kantzas Dimitrios	LAPTh/CNRS	The contribution of X-ray binaries in the cosmic ray and neutrino spectra	Oral
Karavola Despina	National & Kapodistrian Uni	Gamma-rays from Synchrotron radiation of Bethe-Heitler pairs in Active Galactic Nuclei	Oral

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Kylafis Nikolaos	Univ. of Crete & FORTH	A quantitative explanation of the radio – X-ray correlation in black-hole X-ray binaries	Oral
Lander Sam	University of East Anglia, UK	Breaking a neutron star's crust	Oral
Liodakis Ioannis	FINCA	Relativistic jets in the discovery era of X-ray polarimetry	Oral
Loules Argyrios	National & Kapodistrian Univ	Unveiling the Effects of Electromagnetic Dissipation on Relativistic Jets	Oral
Mastichiadis Apostolos	National & Kapodistrian Univ	A study of natural frequencies in a dynamic corona – disk system	Oral
Mpisketzis Vasileios	National & Kapodistrian Univ	Impact of inhomogeneous ejecta in jet dynamics and afterglow emission in binary neutron star mergers	Oral
Oikonomou Foteini	NTNU	The Curious Maximum Rigidity Distribution of Ultra-high Energy Cosmic Ray Accelerators	Oral
Papadopoulos Demetrios	Aristotle University of Thess	Probing exotic fluids with gravitational lensing	Oral
Papanikolaou Theodoros	National Observatory of Ath	Primordial magnetic fields from primordial black hole disks	Oral
Petropoulou Maria	National & Kapodistrian Univ	Multi-messenger signatures of magnetically dominated baryon-loaded blazar jets	Oral
Pnigouras Pantelis	University of Alicante	Dynamical tides in neutron star binaries: glimpsing the dense nuclear matter equation of state	Oral
Pötzl Felix	IA FORTH	Results from the SMILE pilot study to distinguish milli-lens systems	Oral
Skiathas Dimitrios	University of Patras	Simulations of magnetic field evolution in crusts and cores of neutron stars. The impact of ambipolar diffusion.	Oral
Stathopoulos Stamatios Ilias	National & Kapodistrian Univ	LeHaMoC: a novel radiation code for high-energy astrophysics	Oral
Stefanou Petros	Universidad de Valencia, UR	Modelling Force-Free Magnetospheres of Isolated Neutron Stars	Oral
Vasilopoulos Georgios	NKUA/IASA	From BeXRBs to ULXPs: connecting the “dots”	Oral
Vlahakis Nektarios	National & Kapodistrian Univ	The Kelvin-Helmholtz instability in Relativistic Jets	Oral
Anastasiadis Yannis	National & Kapodistrian Univ	Analytical GRMHD Jet Models	Poster
Kolonia Eleni Anna	University of Patras	Observational constraints on non linear matter extensions of general relativity: separable trace power models	Poster
Koutsantoniou Elpida	National & Kapodistrian Univ	Algorithms & radiation dynamics near black holes	Poster
Mahe Cloe	Universite de la Cote d'Azur	A synchrotron cooling model for the NIR/X-ray flares of Sgr A*	Poster
Mandarakas Nikolaos	IA - FORTH & Univ. of Crete	Optical afterglow polarization of GRB210619B	Poster
Migkas Konstantinos	Leiden University	Probing cosmic isotropy with new X-ray clusters and the first eROSITA cluster catalog	Poster
Ntotsikas Dimitris	University of Patras	Twisted Pulsar Magnetospheres and their Current Sheets	Poster
Petropoulou Maria	National & Kapodistrian Univ	The High Energy X-ray Probe (HEX-P): the most powerful jets through the lens of a superb X-ray eye	Poster
Vasilopoulos Georgios	NKUA/IASA	Application of neural networks to spectral fitting of extragalactic jet emission	Poster
Vitsos Andreas	University of Patras	Dynamical friction due to fuzzy dark matter on non-spherically symmetric satellites	Poster
Session 4 - Stars, Planets and the Interstellar Medium			
Speaker	Affiliation	Title	Type
Laskar Jacques	Obs. de Paris	Chaos in the Solar System. Historical perspective and new results	Plenary
Fragkos Anastasios	University of Geneva	Unravelling the astrophysical origin of gravitational-wave sources.	Invited
Karalidi Theodora	Univ. of Central Florida	Seeing the giants in 2D and 3D	Invited

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Tritsis Aris	EPFL	Can we observe the ion-neutral drift velocity in molecular clouds?	Invited
Akras Stavros	IAASARS/NOA	Do we really comprehend Planetary Nebulae?	Oral
Anastasopoulou Konstantina	INAF Osservatorio Astronomico di Brera	The EWOCs view of the unique population of Wolf-Rayet stars in Westerlund 1	Oral
Bonanos Alceste	National Observatory of Athens	Results of the ASSESS project: Episodic Mass Loss in Evolved Massive Stars: Key to Understanding the Explosive Early Universe	Oral
Chanlaridis Savvas	IA - FORTH & Univ. of Crete	Thermonuclear and Electron-Capture Supernovae from Stripped-Envelope Stars	Oral
Christopoulou Eleftheria-Pan.	University of Patras	Discovery of star systems at the merger limit by large astronomical sky surveys.	Oral
Derlopa Sophia	National Observatory of Athens	Planetary Nebula NGC 2818: 3D morphology and new detected structures	Oral
Dimitriadis Georgios	Trinity College Dublin	The mass puzzle of "Super-Chandrasekhar" SNe Ia	Oral
Gega Margarita	National & Kapodistrian University of Athens	Detection of potential maar craters on planet Mars using HRSC/MEx data	Oral
Kalas Paul	UC Berkeley, Univ. of Crete	New HST detections of complex outer structure for the dusty debris disks surrounding seven young planetary systems using STIS coronagraphy	Oral
Kopsacheili Maria	ICE-CSIC	Study of Supernova Remnants using IFU data	Oral
Maravelias Grigoris	National Observatory of Athens	Investigating the populations of dusty evolved stars in various metallicities with machine learning	Oral
Pantolmos George	CNRS/IPAG	The stable and unstable accretion regimes: Implications for the stellar rotation	Oral
Pavidou Tatiana	University of Vienna	Linking the Class 0 and Hot Corino populations of the Perseus Molecular Cloud Complex	Oral
Psaradaki Ioanna	University of Michigan	Mineralogy of interstellar dust in the X-ray regime	Oral
Savvidou Sofia	MPIA, Heidelberg	A giant solution to the disc mass budget problem of planet formation	Oral
Tsiaras Angelos	INAF - Arcetri	Towards population studies of exoplanets in the era of JWST and Ariel	Oral
Tsouros Alexandros	IA - FORTH & Univ. of Crete	3D Galactic Magnetic Field Reconstruction Using Local Measurements	Oral
Zapartas Manos	National & Kapodistrian University of Athens	Investigating the effect of mass loss of Red Supergiants in the Small Magellanic Cloud	Oral
Antoniadis Kostas	National Observatory of Athens	The mass-loss rates of Red Supergiants in the Large Magellanic Cloud	Poster
Avgousti Stella	National & Kapodistrian University of Athens	Variable massive stars in the Andromeda galaxy using the Gaia Data Release 3	Poster
Bouvis Konstantinos	NTUA-IASARS	Exploring the Physical Properties of Planetary Nebula NGC 3132 with MUSE, JWST and SPITZER data.	Poster
Christodoulou Evangelia	NOA / NKUA	Near Infrared Spectroscopy of red supergiants in NGC 6822, IC 10 & WLM with EMIR	Poster
Contadakis Michael	Aristotle University of Thessaloniki	Starquakes on the Flare stars .	Poster
Filiou Zoi	National & Kapodistrian University of Athens	Astrochemical and astrobiological applications of Laser Induced Breakdown Spectroscopy (LIBS)	Poster
Gakis Dionysios	University of Patras	Transit Timing Variations in exoplanetary systems through the ExoClock Project	Poster
Konstantinou Lydia	National Technical University of Athens	NGC 3242 and the enigmatic nature of its Low Ionization Structures: A MUSE perspective	Poster
Kopsacheili Maria	ICE-CSIC	A systematic analysis of the physical parameters of Galactic SNRs	Poster
Maravelias Grigoris	National Observatory of Athens	New B[e] supergiants and candidate Luminous Blue Variables in nearby galaxies from the ASSESS project	Poster
Munoz-Sanchez Gonzalo	National Observatory of Athens	A luminous RSG in the LMC with a bow shock?	Poster
Palafouta Sofia	National & Kapodistrian University of Athens	Low mass ratio eclipsing binaries as red nova progenitors.	Poster
Polychroni Danae	INAF - Osservatorio Astronomico di Brera	Birth and destruction in protoplanetary disks: dust production by planetesimal collisions	Poster