

PROGRAM

Tuesday, 3rd September

09:00	<i>Registration & Poster hanging</i>	
09:30	<i>Welcoming address</i>	Br. Guy Consolmagno, SJ
Outreach in Astronomy and Beyond		
<i>Chair 1: Omar López-Cruz</i>		
09:50	Anahí Caldu Primo	Breaching the gap with Astronomy
10:15	Luis Henry Quiroga Nuñez	Changing research streams within current Astronomy
10:40	Judith Beck	Integrating Collaborations into Astronomy Outreach and Education
11:05 COFFEE BREAK		
Ground and Space Based Instrumentation		
11:35	Nora Luetzgendorf	JWST and the joys of instrumentation
12:00	Sangeeta Mysore	Operations Support: A ringside seat to the best show in Astronomy
12:25	Andrew Taylor	Astronomy Looking Down
12:50 LUNCH BREAK		
Stellar Astrophysics		
<i>Chair 2: Juliana Crestani</i>		
14:30	Dante Minniti	VVV Survey of the bulge stellar population: variable stars, globular clusters and more
14:55	Alonso Luna	Period variations of RR Lyrae stars in NGC 4147
15:20	Roberto Saito	Rare variables in the VVV Survey
15:45	Hasmik Andreasyan	Simultaneous photometric and spectral analysis of a new outburst of V1686 Cyg
16:10	Poster Presentation (oral)	Abigail Chown , Agustin Dugaro , Macarena Zanardi
16:25 COFFEE BREAK		
16:50 - 17:50	Discussion Session (A)	Topic: Careers in science writing and communication (Moderated by Chris Impey)

Wednesday, 4th September

Astronomical Data Analysis		
<i>Chair 3: Judith Beck</i>		
09:00	Gabriela Navarro	VVV Microlensing events, current status and future work
09:25	Susan M. Lederer	Discovering the TRAPPIST-1 Exoplanet System
09:50	Sebastian Rojas Gonzalez	Gaussian Processes for Machine Learning and Astronomy
10:15	Gerardo Martinez Aviles	On the evolution of galactic habitability
10:40	Poster Presentation (oral)	Michael Foley , Faustino Gijón , Pavol Matlovič , Carolina Chavero , Anthony Frushour
11:05 COFFEE BREAK		
Outreach in Astronomy and Beyond		
11:35	Felicitas Mokler	The Cosmic Correspondents/Die Weltraumreporter
12:00	Jon B. Olansen	The Ups and Downs of Spacecraft Development
12:25	Jiří Šilha	Slovak Space Debris Research and its Application on the Education Process and Public Outreach
12:50 LUNCH BREAK		
Visit to the Vatican Observatory Telescopes, Gardens of the Papal Villas		
19:00 Social Dinner		

Thursday, 5th September

Extragalactic Astrophysics		
<i>Chair 4: Adam Dobrzycki</i>		
09:00	Richard D'Souza SJ	New Directions of Galaxy Research at the Vatican Observatory
09:25	Peter Biermann	Foreign policy principles for the next 100 billion years
09:50	Johan Fynbo	Dust, molecules and host galaxy properties of an overlooked population of dusty damped Ly-alpha absorbers
10:15	Gabriele Gionti, SJ	A short review to the main different approaches to Quantum Gravity
10:40	Anahit Samsonyan	Analysis of emission line widths of [CII] 158μm and classification of sources
11:05 COFFEE BREAK		
11:35	Gihan Weerasekara	Gravitational lensing time delay when the peculiar motion of the objects
12:00	Falcke Heino	Imaging Black Holes with the Event Horizon Telescope
12:25	Alick Macpherson	How particle physicists look at astronomers
12:50 LUNCH BREAK		
Ground and Space Based Instrumentation		
<i>Chair 5: Danuta Dobrzycka</i>		
14:30	Federico Tosi	The JUICE mission: Future exploration of the Galilean satellites of Jupiter
14:55	Juraj Toth	AMOS meteor global network - project of VOSSs alumni
15:20	Jeanette Bast	Telescope user to telescope builder
15:45	Daniel Cunnama	Astronomy Science Engagement In South Africa
16:10 COFFEE BREAK		
16:40 - 17:40	Discussion Session (B)	Topic: Ideas for Outreach to the General Public (Moderated by Gabriela Navarro)

Friday, 6th September

Stellar Astrophysics		
<i>Chair 6: Michael Foley</i>		
09:00	Tomaž Zwitter	Accurate stellar kinematics and chemical studies in the Gaia era
09:25	KD Leka	Predicting Solar Flares: the perspective from VOSS'98
09:50	Nikolay Kacharov	The densest stellar systems in the Universe
10:15	Nadiya Gorlova	BRASS - a new interactive website for analysis of stellar spectra
10:40	Juliana Crestani	Chemical abundances in RR Lyrae stars: the Galaxy and beyond
11:05	COFFEE BREAK	
Outreach in Astronomy and Beyond		
11:35	Nareemas Chehlaeh	Astronomy and Astrophysics Research Development in Thailand
12:00	Omar López-Cruz	More than just Astronomy
12:25	Valentin Ivanov	Astronomy summer camp "Beli Brezi", Bulgaria - building the astronomical community of the future
12:50	LUNCH BREAK	
Extrasolar Planets and Planetary Systems		
<i>Chair 7: Peter Veres</i>		
14:30	Gonzalo de Elia	Inverse Lidov-Kozai resonance for an outer test particle due to an eccentric perturber
14:55	Patricia Hernández - Reséndiz	Citlalmitl: the meteorite maker
15:20	Annabella Mondino Llermanos	Overstability in fully self-gravitating system
15:45	Jean-Baptiste Kikwaya, SJ	Physical characterization of fast rotator Neos: from spectroscopy back to spectrophotometry
16:10	COFFEE BREAK	
16:40 - 17:40	Discussion Session (C)	Topic: Sharing Tips and Tools for Teaching Astronomy (Moderated by Dante Minniti)

Saturday, 7th September

Ground and Space Based Instrumentation		
<i>Chair 8: Jeannete Bast</i>		
09:00	Adam Dobrzycki	ESO Archive
09:25	Peter Vereš	Past, Present and Future of Minor Planet Discoveries
09:50	Danuta Dobrzycka	ESO science data products
10:15	Jean-Baptiste Kikwaya, SJ	Fireball all-Sky camera system in South Arizona
10:40	Dragana Ilić	Optical spectral variability of AGN
11:05	COFFEE BREAK	
11:35	Chris Impey	Science Communication in the Age of Misinformation (Keynote)
12:25	Final Remarks	