



Conference Programme

Day 1: Monday 13th

Time	Title	Speaker
08:30-08:50	Registration	
08:50-09:00	Welcome/Information	
09:00-09:20	Engaging SKA: a research infrastructure for radioastronomy and SKA in Portugal	Domingos Barbosa
09:20-09:40	An update of SKA1	Jeff Wagg
09:40-10:00	Status of MeerKAT	Fernando Camilo
10:00-10:20	The real-time European VLBI Network (e-EVN), a pathfinder for SKA	Francisco Colomer
10:20-10:30	Questions/Discussion	
10:30-11:00	Coffee break	
11:00-11:25	MeerKAT large survey projects	Mario Santos
11:25-11:50	The Low frequency Array and the power of radio surveys	Leah Morabito
11:50-12:15	Extracting the science from radio continuum surveys	Ray Norris
12:15-12:35	21 cm intensity maps: extraction of the cosmological signal	Isabella Carucci
12:35-13:45	Lunch break	
13:45-14:15	Exploiting galaxy-21 cm synergies to shed light on the Epoch of Reionization	Pratika Dayal
14:15-14:30	e-MERLIN	Javier Moldon
14:30-15:15	hands-on QA and data processing with the e-MERLIN CASA pipeline	Javier Moldon
15:15-15:35	Coffee break	
15:35-16:00	New insights into the AGN disk-jet physics from radio and optical astrometry data	Yuri Kovalev
16:00-16:20	Chasing binary SMBH	Sonia Antón

16:20-16:40	Searching for the first radio galaxies	Israel Matute
16:40-17:00	The first Super Massive Black Holes: indications from models for future observations	Stergios Amaranitidis
17:00-18:00	Round-table	

Day 2: Tuesday 14th

Time	Title	Speaker
09:00-09:25	Neutrinos from a blazar jet and the birth of non-stellar neutrino astronomy	Paolo Padovani
09:25-09:50	SKA-VLBI key contribution to multi-messenger astronomy	Cristina Miró-García
09:50-10:15	Radio Transients	Robert Fender
10:15-10:35	Non-thermal emission from novae	Valério Ribeiro
10:35-11:00	Coffee break	
11:00-11:25	Fundamental Physics with pulsars in the SKA era	Paulo Freire
11:25-11:45	Understanding the Neutron Star Physics with the SKA	Violetta Sagun
11:45-12:05	The HI survey of galaxies hosting bright explosions of massive stars: setting the ground for the SKA	Maryam Arabsalmani
12:05-12:25	Multi-physics simulations with AMUSE	Tjarda Boekholt
12:25-13:45	Lunch break	
13:45-14:10	Multi-messenger machine learning for the SKA	Anna Scaiffe
14:10-14:30	Efficient Source Finding for Radio Interferometric Images	Luis Lucas
14:30-14:50	Portuguese SKA bridging: PaaS and system software for SKA	Dzianis Bartashevich
14:50-15:20	hands-on SKA data Challenges	Anna Bonaldi
15:20-15:40	Coffee break	
15:40-16:00	SKA data challenges	Bruno Coelho
16:00-16:20	Big Data with KAFE and TOAST	Sandra Burkutean
16:20-16:40	CIRADA: Building a Multiwavelength Value Added Data Catalogue of VLASS Radio Galaxies	Yjan Gordon
16:40-17:00	HI in the late type galaxies of galaxy clusters	Tom Scott
20:00-23:00	Conference dinner	

Day 3: Wednesday 15th

Time	Title	Speaker
09:00-09:25	(Re)solving the riddle about the size of GRB 170817A through global VLBI observations	Om Sharan Salafia
09:25-09:45	Probing cosmic (super)strings with gravitational waves	Laura Sousa
09:45-10:10	Fast radio bursts, cosmic rays, and gravitational waves, oh my! Recent results from ASKAP and the MWA.	Clancy James
10:10-10:30	Poster presentation	
10:30-11:00	Coffee break	
11:00-11:25	Gamma-ray astronomy in context	Alessandro de Angelis
11:25-11:45	Future gamma-ray mission's polarimetric prospects	Rui Silva
11:45-12:05	Future wide field of view gamma-ray Observatory in the Southern Hemisphere	Giovanni Mura
12:05-12:30	Detection of the thermonuclear X-ray bursts and dips from the neutron star 4U 1323-62 with AstroSat/LAXPC.	Yashpal Bhulla
12:30-13:45	Lunch break	
13:45-14:10	Bridging ALMA and SKA – the scientific potential of the largest interferometers working together	Hugo Messias
14:10-14:35	User interaction models: the case of ALMA and the recommendations for SKA	Elisabetta Liuzzo
14:35-14:55	Spectral Tracers of Hot Molecular Cores: The Case of Collision Partners of H ₂	Edgar Mendonza
14:55-15:15	Growing radio-interferometry expertise in Portugal: the PACE	Ciro Pappalardo
15:15-15:30	Science Meeting ends	