

Day One (Wednesday 13 December)

08:30 Registration

SESSION 1 Telescope Status and Updates

08:40 Tara Murphy Welcome

08:45 Randall Wayth Murchison Widefield Array: Status and plans

09:00 Carole Jackson Towards LOFAR 2.0

09:15 Gregg Hallinan The OVRO-LWA: Status and Early Science

09:30 Nithyanandan Thyagarajan The efficient E-field Parallel Imaging Correlator (EPIC) and first deployment on LWA-Sevilleta station

09:45 Ridhima Nunhokee PAPER's last observing season: all-sky images and foregrounds

10:00 Raul Monsalve Recent Progress by the EDGES Global 21-cm Experiment

10:15 Yashwant Gupta The uGMRT: Opening new windows to the low frequency radio Universe

10:30 Morning Tea

11:00 Cynthia Chiang The Hydrogen Intensity and Real-time Analysis eXperiment

11:15 Aaron Ewall-Wice Extending the Frequency Coverage of HERA for High-Redshift Intergalactic Medium Heating Studies

11:30 Marcin Sokolowski Engineering Development Array: A low frequency radio telescope utilising SKA precursor technology

SESSION 2 Radio Galaxies, Clusters and Galactic Science

11:45 Tessa Vernstrom (Inv) Cosmic Magnetism at Low Frequencies and Large Scales

12:15 Sparkler Talks 15 x 1 minute

12:30 Lunch

13:30 Marijke Haverkorn From Rorschach to Reality: on the interpretation of Faraday cubes of diffuse Galactic synchrotron emissio

13:45 Vibor Jelic Faraday tomography of the local ISM with LOFAR

14:00 Irene Polderman Cosmic Ray Tomography of the Milky Way using Synchrotron Emission

14:15 Emil Lenc The First All-Sky Blind Survey in Circular Polarisation

14:30 Christopher Riseley POGS: POLarization from the GLEAM Survey

14:45 Chenoa Tremblay Studying Astrochemistry at Low Frequencies with the MWA

15:00 Afternoon Tea

15:30 Elaine Sadler (Inv) Radio AGN populations and their cosmic evolution

16:00	James Allison	Searching for young radio galaxies in the early Universe
16:15	Joseph Callingham	Why are there so many peaked-spectrum sources in the Universe?
16:30	Guillaume Drouart	The GLEAMing of Supermassive Black Holes in the Early Universe
16:45	Marisa Brienza	Searching for remnant radio galaxies in the LOFAR Lockman Hole
17:00	Pedro Salas	Low frequency radio recombination lines from Cassiopeia A
17:15	J. B. Raymond Oonk	The Cygnus X region in unprecedented detail at the lowest frequencies
17:30	Andra Stroe	Giant cosmic tsunamis: reconciling observations and models of cluster radio relics

17:45 **Close**

Day Two (Thursday 14 December)

08:00 Registration

SESSION 3 Cosmic Dawn and EoR

08:45	Gianni Bernardi (Inv)	The Hydrogen Epoch of Reionization Array (HERA)
09:15	Carina Cheng	21cm Power Spectrum Lessons: Updated Results from the PAPER Experiment
09:30	Nichole Barry	A New EoR Limit from the US MWA Pipeline
09:45	Visweshwar Ram Marthi	Forecasts for $z=3.35$ intensity mapping with the Ooty Wide Field Array
10:00	Michael Eastwood	Full-Sky Maps of the VHF Radio Sky with the Owens Valley Long Wavelength Array
10:15	Cathryn Trott	Building models for extended radio sources: implications for Epoch of Reionisation science

10:30 Morning Tea

11:00	Laura Wolz (Inv)	An overview on HI intensity mapping
11:30	Adrian Liu	Machine Learning for Foreground Modeling and Signal Extraction in 21cm Cosmology
11:45	Adam Beardsley	Constraining local reionization histories with 21 cm observations
12:00	Philip Liju	Searching for cosmic dawn from the sub-Antarctic
12:15	Bradley Greig	Simultaneously constraining the astrophysics of reionisation and the epoch of heating with 21CMMC
12:30	Sparkler Talks	15 x 1 minute

12:45 Lunch

13:45	Jonathan Pober	Cross-Pollination Between 21 cm EoR Experiments
14:00	Kenji Kubota	Detectability of 21cm-signal during the Epoch of Reionization with 21cm-LAE cross-correlation
14:15	Miguel Morales	Building Confidence in EoR Limits

SESSION 4 Surveys and techniques

14:30 George Heald (Inv) Low-frequency surveys in total intensity and polarization

15:00 Afternoon Tea

15:30	Andre Offringa (Inv)	Improving low-frequency imaging and calibration: constraints and image-domain gridding
16:00	Huib Intema	Scientific exploration of TGSS
16:15	Ronniy Joseph	Redundant Calibration - Breaking the constraints of limited sky knowledge
16:30	Yoshimitsu Miyashita	Application of sparse reconstruction to cosmic magnetism study at low frequencies

16:45	Etienne Bonnassieux	On the variance of radio interferometric calibration solutions : Quality-based Weighting Schemes
17:00	Luke Pratley	Sparse image reconstruction of radio interferometric observations using PURIFY
17:15	Close	

Day Three (Friday 15 December)

08:30 Registration

SESSION 5 Transients and Pulsars

08:45	Kevin Stovall (Inv)	The Green Bank North Celestial Cap Pulsar Survey
09:15	Ramesh Bhat	Pulsar Science and Survey plans with the Murchison Widefield Array
09:30	Ben Stappers	Searching for Pulsars with LOFAR
09:45	Ryan Monroe	Pulsar beam holography with the Owen's Valley Long Wavelength Array
10:00	Stefan Osłowski	LOFAR observations of turbulent ionised interstellar medium towards PSR J1509+5531
10:15	Charlotte Sobey	Low-frequency polarisation observations of pulsars to probe the 3-D structure of the Galactic magnetic field

10:30 Morning tea

11:00	Poonam Chandra (Inv)	Supernovae in dense environments revealed at low frequencies
11:30	Christene Lynch	Chasing Low Frequency Radio Bursts from Magnetically Active Stars
11:45	Marin Anderson	Probing the low frequency transient sky with the OVRO-LWA
12:00	Jake Turner	The search for radio emission from exoplanets using LOFAR low-frequency beam-formed observations
12:15	David Gardenier	The Fast Radio Burst Population

12:30 Lunch

SESSION 6 Solar System, Ionosphere, Cosmic Rays

13:30	Masafumi Imai (Inv)	Probing Jupiter's auroral radio sources with Juno
14:00	James Harding	3D simulation of type III solar radio bursts
14:15	Patrick McCauley	Type III Solar Radio Burst Imaging with the Murchison Widefield Array
14:30	Christopher Jordan	A census of ionospheric activity above the MRO with MWA EoR
14:45	Maria Rioja	Ionospheric studies using MWA and LOFAR observations
15:00	Jean-Pierre Macquart	IPS studies with the MWA: revealing the astrophysical properties of low-frequency selected compact objects

15:15 Afternoon tea

15:45 Conference Summary

16:00 Close