

SPARCS XIII: The Return of the Data

Conference schedule

All times in Australian Eastern Standard Time (GMT+10)

In-person talks

Online talks

Tuesday

4 November 2025

Session 1

9:00-10:30

Surveys 1

9:00-9:05

Welcome by LOC

Tessa Vernstrom

9:05-9:10

Welcome by SOC

Kenda Knowles

9:10-9:40

DSA2000

Vikram Ravi

(invited)

9:40-10:10

VCLASS

Mark Lacy

(invited)

10:10-10:30

The deepest VLA radio continuum surveys in the extragalactic sky

Eric F. Jiménez-Andrade

Break

10:30-11:00

Session 2

11:00-12:40

Surveys 2

11:00-11:30

EMU Overview

Tessa Vernstrom

(invited)

11:30-12:00

Multiscale Magnetism from Two Years of POSSUM

Craig Anderson

(invited)

12:00-12:20

The Galactic and Extragalactic All-sky MWA (GLEAM) survey at 300 MHz: GLEAM-300

Stefan Duschense

12:20-12:40

GaLactic and Extragalactic All-sky Murchison Widefield Array survey eXtended (GLEAM-X) III: Galactic Plane

Silvia Mantovanini

Lunch

12:40-14:00

Session 3

14:00-15:00

Surveys 3

14:00-14:30

LoTSS-HR: The high-resolution post-processing of the LOFAR Two-Metre Sky Survey

Roland Timmerman

(invited)

14:30-15:00

Commissioning SKA-Low: first results and future plans towards Science Verification

George Heald

(invited)

Break

15:00-15:30

Session 4 15:30-17:00	Surveys 4	
	15:30-16:00	The MERGHERS Survey Kenda Knowles <i>(invited)</i>
	16:00-16:30	The MIGHTEE continuum survey Imogen Whittam <i>(invited)</i>
	16:30-16:50	The MeerKAT+ S-band Legacy Survey Shilpa Ranchod
	16:50-17:20	Wide-field sub-arcsecond imaging at 50 MHz with the LOFAR Low-band Antenna Henrik Edler <i>(invited)</i>
Poster Sparklers	17:20-	

Wednesday	5 November 2025
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Session 1 9:00-10:20	Methods 1	
	9:00-9:20	Beamforming strategies for surveys with SKA-Low Danny Price
	9:20-9:40	Radio Galaxy Zoo: Phase 1 Early Result Hongming Tang
	9:40-10:00	All Sky maps from m-mode Spherical Harmonic Transit Interferometry Jaiden Cook
	10:00-10:20	Unveiling the Radio Universe with Machine Learning Nikhel Gupta
Break	10:40-11:10	
Session 2 11:10-12:30	Clusters 1	
	11:10-11:30	Unveiling the detailed magnetic field structure of nearby galaxy clusters Erik Osinga
	11:30-11:50	The Rise of Relic Statistics: What Radio Relics Can Teach Us About Acceleration and Dark Matter Wonki Lee
	11:50-12:10	Exploring diffuse radio emission in galaxy groups using EMU & DINGO survey data Sai Wagh
	12:10-12:30	New scaling relations for the galaxy cluster diffuse radio emission Marco Balboni
Lunch	12:30-14:00	

Session 3
14:00-15:00

AGN 1

14:00-14:20	Exploring Active Galactic Nuclei population in dust-obscured environments : Role of deep field radio continuum surveys
	Veeresh Singh
14:20-14:40	Searching for Giant Radio Galaxies (GRGs) for the MIGHTEE survey
	Ndivhuwo Netshiavha
14:40-15:00	Continuum imaging with uGMRT Band-2 (120-250MHz) in deep fields and characterization of diffuse emission: GAMA-23 and ELAISN1
	Rashmi Sagar

Break **15:00-15:30**

Session 4
15:30-17:00

Galactic And .. clusters

15:30-16:00	Magnetism science with the MPIfR-MeerKAT Galactic Plane Survey
	Yi ki Ma <i>(invited)</i>
16:00-16:20	Continuum science with the MPIfR-MeerKAT Galactic Plane Survey
	Jonah Wagenveld
16:20-16:40	Galactic fields in the LOFAR Two-meter Sky Survey
	Maria Arias
16:40-17:00	The First High-Frequency (4-8 GHz) RM Grid through the Galactic Plane with GLOSTAR
	Anahat Cheema
17:00-17:20	On-the-Fly Mapping with MeerKLASS: Large-Scale and Interferometric Imaging in the UHF Band
	Sourabh Paul
17:20-17:40	Exploring the Non-Thermal Emission in Low-Mass Galaxy Clusters
	Swarna Chatterjee
17:40-18:00	From Group Dynamics to Cluster Halos: Galaxy Evolution in Groups and the Diffuse Skies in Clusters
	Konstantinos Kolokythas

Thursday

6 November 2025

Session 1
9:00-10:20

AGN 2

9:00-9:20	New Evidence for Flaring Radio Sources as Producers of High Energy Neutrinos
	Yjan Gordon
9:20-9:40	The nature of HERGs and LERGs in LoTSS DR2 -- a morphological perspective
	Jones Chilufya
9:40-10:00	EMU and the DRAGNs
	Ray Norris

	10:00-10:20	Echoes from the Edge: Finding High-Redshift AGN from Radio Surveys Nick Seymour
Break	10:40-11:10	
Session 2 11:10-12:30	Cosmology and Other types of galaxies	
	11:10-11:30	Cosmology clustering systematics from source detection and population with continuum surveys David Parkinson
	11:30-11:50	Magnetised Galactic Outflows in Dwarf Galaxies Sam Taziaux
	11:50-12:10	Odd radio circles: what are they ? Baerbel S. Koribalski
	12:10-12:30	Unveiling Circularly Symmetric Diffuse Sources and Odd Radio Circles in the SKA Era: A New Frontier in Extragalactic Radio Astronomy Shobha Kumari
Lunch	12:30-14:00	
Session 3 14:00-15:00	Clusters 2	
	14:00-14:20	Calibration Challenges and Cosmic Magnetism: Low-frequency Polarization of Galaxy Cluster Merger Shocks with uGMRT Arpan Pal
	14:20-14:40	Building catalogues of cluster diffuse radio emission sources with machine learning Chiara Stuardi
	14:40-15:00	Building Toward the SKA: A Low-Frequency View of Galaxy Groups Ramananda Santra
Break	15:00-15:30	
Session 4 15:30-17:00	AGN 3	
	15:30-15:50	The Jet Paths of Radio AGN and their Cluster Weather Eleni Vardoulaki
	15:50-16:10	Spectral Ages of Remnant Radio Galaxies with SKA and Pathfinders Sushant Dutta
	16:10-16:30	ApPolLo - Apertif counterparts of polarised LOFAR sources Anna Berger
	16:30-16:50	A population-based approach to understanding radio AGN feedback with LOFAR Jonny Pierce

16:50-17:10	Role of environment in the jet powering mechanism in radio quasars - insights from the LOFAR Two-metre Sky Survey (LoTSS)
	Bohan Yue
17:10-17:30	The radio structure of U/LIRGs along spatial scales
	Geferson Lucatelli ?
17:30-17:50	Unveiling the Spectral Properties of Radio Halos in the Galaxy Clusters of the LOFAR sky survey
	Koushika Sri Lakshmi Srikanth

Friday

7 November 2025

Session 1

9:00-10:20

Misc

9:30-9:50

Probing radio-quiet AGN feedback: Insights from ASKAP and GAMA

Simone Candini

9:50-10:10

Radio Detection of an M Dwarf Binary using e-MERLIN and the VLA

Kelvin Wandia

10:10-10:30

Attack of the Foregrounds: Taming the Milky Way with Gaussian Processes

Jason Price

Break

10:20-11:10

Session 2

11:10-12:30

AGN 4

11:10-11:30

The study of extended radio galaxy in MERGHERS field

Banele Mthembu

11:30-11:50

Synergistic Science with MeerKAT and Rubin LSST

Unnikrishnan Sureshkumar

11:50-12:10

The LBA view of bright radio galaxies and their science with long baselines

Jort Boxelaar

12:10-

Closing remarks

SOC & LOC