



LWA Users Meeting 2021 Agenda



Time: Monday, August 16, 9:00am – 5:00pm; Tuesday August 17, 9:00am-noon MDT

Venue: PAIS 1100 and via Zoom: [https://unm.zoom.us/j/98818900945?](https://unm.zoom.us/j/98818900945?pwd=UFRWcURGZHN4ZWhtcFdGNFZyVmxZZz09)

[pwd=UFRWcURGZHN4ZWhtcFdGNFZyVmxZZz09](https://unm.zoom.us/j/98818900945?pwd=UFRWcURGZHN4ZWhtcFdGNFZyVmxZZz09)

Monday Morning Session on LWA Capabilities (Session Chair: Ylva Pihlstrom)

9:00 – 9:20 am	Welcome, Goals, Plans	Greg Taylor
9:20 – 9:40 am	Bifrost Plans	Jayce Dowell
9:40 – 10:00 am	Updates from the OVRO-LWA-352 Upgrade	Marin Anderson
10:00 - 10:20 am	LWA Hardware Update	Brian Hicks
10:20 – 10:50 am	Break	

2nd morning Session on Cosmology (Session Chair: Ylva Pihlstrom)

10:50 – 11:10 am	Latest Results from HERA	Danny Jacobs
11:10 – 11:30 am	Superradiance in Black Hole-Pulsar Binaries	Mike Kavic
11:30 – 11:50 am	Improvements to the Search for Cosmic Dawn using LWA-SV	Chris DiLullo
11:50 - 1:30 pm	Lunch	

Monday Afternoon Session on Other Low Frequency Instruments (Session Chair: Tim Dolch)

1:30 – 1:50 pm	CatSat Satellite HF Experiment: Precision receivers in space for you	Mike Parker
1:50 – 2:10 pm	Radio JOVE Transitions from Analog to Digital	Chuck Higgins
2:10 – 2:30 pm	A short guide to using the ELWA	Frank Schinzel
2:30 - 2:50 pm	Galactic Radio Surveys	Tom Maccarone
2:50 – 3:20 pm	Break	

Monday Afternoon Session on Transients (Session Chair: Tim Dolch)

3:20 – 3:40 pm	Fast Radio Bursts at Low Frequencies	Casey Law
3:40 - 4:00 pm	Resolving Meteor Radio Afterglows	Savin Varghese
4:00 - 4:20 pm	Detecting Persistent Trains from Meteors	Logan Cordonnier
4:20 - 4:40 pm	Commensal Imaging at LWA-SV with EPIC	Hari Krishnan
4:40 - 5:00 pm	Discussion	

5:30 pm Dinner at Monroe's 6051 Osuna Rd NE 87109

Tuesday morning Session on Pulsars, Lightning, RFI (Session Chair: Jayce Dowell)

9:00 – 9:20 am	Using Pulsars to Study the Solar Wind	Pratik Kumar
9:20 – 9:40 am	Pulsar Astrophysics with the LWA Swarm	Tim Dolch
9:40 – 10:00 am	RFI Detection and Mitigation	Greg Hellbourg
10:00 - 10:20 am	Lightning Initiation Observed with LWA-SV	Julia Tilles
10:20 – 10:50 am	Break	

2nd morning Session on the Ionosphere (Session Chair: Jayce Dowell)

10:50 – 11:10 am	Riometry with the LWA	Craig Taylor
11:10 – 11:30 am	Tracking Sporadic E with Radio Noise from Power Lines and the LWA	Ken Obenberger
11:30 – 11:50 am	Discussion	
11:50 am	End of Meeting	

Contact Information:

Greg Taylor 505-270-2929 (cell)