

GNU Radio Conference 2025

Tuesday, 9 September 2025

Main Track (13:00 - 14:45)

time	[id] title	presenter
13:00	[247] Sponsor Talk: Two decades of SDR: USRP past, present and future	BRAUN, Martin
13:30	[265] A GNU Radio Framework for Real-Time Beam Steering with Reconfigurable Intelligent Surfaces	Mr WILMOTH, Parker
13:45	[267] Implementation and Analysis of ExpressLRS Under Interference Using GNU Radio	Mr GARCIA, Gabriel
14:15	[270] Wide-Band Antenna Pattern Mapping with an RFSoc on a Drone	GALLICCHIO, Jason

Main Track (15:30 - 17:00)

time	[id] title	presenter
15:30	[256] Building a 23cm SDR Based EME System	ROSENAUER, Dennis
16:00	[272] Design and Prototyping of a Multi-Channel Wideband SDR-Based VSG/VSA for Standard-Compliant Signal Testing	CHEN, Chien-Min
16:15	[268] Bridging ROS2 and GNU Radio for Connected Robotics	Mr SANCHEZ, Felipe

Wednesday, 10 September 2025

Main Track (09:45 - 10:45)

time	[id] title	presenter
09:45	[263] Shaking Up 5G: Phase Noise vs EVM in OFDM Systems	BOSCHEN, Dan CHANDLER, David

Main Track (11:00 - 12:00)

time	[id] title	presenter
11:00	[279] Over-the-Air Sequential Uplink Data Processing in Small-Scale Cell-Free mMIMO Networks	MERTENS, Catherine
11:15	[250] Hardware-in-the-Loop Simulation with PYNQ for Radar Applications	LONG, Christopher
11:45	[264] gr-PHYSEC: Real-time Channel-based Key Generation for Physical Layer Secure Wireless Communications	Mr SANCHEZ, Jose

Main Track (13:00 - 14:45)

time	[id] title	presenter
13:00	[276] Software-Defined Ground Penetrating Radar Using COTS SDRs and GNU Radio Companion	MESSERLY, Gavin
13:30	[277] gr:harmonia: A GNU Radio-Based Tool for Synchronization of Software-Defined Radios in a Distributed Radar Network	Mr KIEU, Cody
14:00	[255] A study on Developing a Pre and Postamble for OFDM	Mr ALLDRITT, Michael
14:30	[269] Real-time WiFi Device Fingerprinting and Re-identification in GNUradio	MAZOKHA, Stepan

Main Track (15:30 - 17:00)

time	[id] title	presenter
15:30	[290] Sponsor Talk: Aaronia	
16:00	[275] Fast FFTs on ARM using RustFFT	SALLAY, John
16:15	[254] Phase Coherency - Translating Phase and Time Accuracy to the Real World	SCHIROK, Jan

Thursday, 11 September 2025

Main Track (13:15 - 14:30)

time	[id] title	presenter
13:15	[260] FPGA Acceleration in GNU Radio: A Block-Centric Approach	BATES, Troy
13:30	[243] Powering Cognitive Radios with LLMs	DAVID, Paul
14:00	[300] Sponsor Talk: AnySignal	MALSBURY, John

Main Track (15:30 - 17:00)

time	[id] title	presenter
15:30	[246] Streaming, Fast and Slow	BRAUN, Martin
16:00	[266] Real-Time Scheduling and Batching in GNU Radio for Bounded Response Times	HE, Tiancheng

Friday, 12 September 2025

Main Track (09:45 - 10:15)

time	[id] title	presenter
09:45	[271] Untangling the Airwaves: Implementing and Evaluating Blind Source Separation Techniques in GNU Radio	VANHOY, Garrett

Main Track (10:30 - 12:00)

time	[id] title	presenter
10:30	[259] Reception of GOES-East Satellite Services: HRIT and GRB	Mr CABRERA, Martín Mr PERTUSSO, Pedro
10:45	[294] RadioSonic: A Preview of a Teaching Platform Using Audio-Frequency Waveforms	BOSCHEN, Dan
11:15	[298] FT8 GSoC	
11:30	[245] TorchSig: ML Training for Custom Datasets	CARRICK, Matt