

FOSDEM 2016

Software Defined Radio Track

SDR Track

- Organizers
 - Phil Balister, Martin Braun, Tom Rondeau, Sylvain Munaut
- <http://gnuradio.org/redmine/projects/gnuradio/wiki/FOSDEM>
- 3rd Iteration, popular as ever
- Reminder FOSDEM Rules!

Schedule

Event	Speakers	Start	End
Sunday			
Introduction to the SDR Track <i>Speakers, Topics, Algorithm</i>	Martin Braun	09:00	09:10
The GNU Radio Companion Changelog <i>An overview and recently added features to GNU Radio's Graphical Flowgraph Designer</i>	Sebastian Koslowski	09:15	09:35
The GNU Radio Toolkit <i>modtool, PyBOMBS, and how to actually start working on SDR</i>	Martin Braun	09:45	09:55
Signal Intelligence Challenges <i>How to get students into SDR</i>	Felix Wunsch	10:05	10:20
Building Self-Optimizing Radios using DEAP	Andre Puschmann	10:25	10:40
Radio Machine Learning with FOSS <i>Hallucinogenic radio fun</i>	Tim O'Shea	10:45	11:10
The rad1o badge <i>How it happend and how to use it</i>	Tobias Schneider, Stefan `Sec` Zehl	11:15	11:40
Using Red Pitaya for radio applications (from LF to HF)	Pavel Demin	11:45	12:10
<u>SDR Track Panel</u> <i>About the future of free software SDR projects, and how we can collaborate</i>	Martin Braun	12:15	13:10
Embedded SDR <i>working with SDKs</i>	Moritz Fischer	13:15	13:40
RFNoC -- Evolving SDR toolkits to the FPGA platform <i>Faster, lower latency, and still GNU Radio</i>	Martin Braun	13:45	14:05
News from the OAI Community	Raymond Knopp	14:15	14:40
srsUE: A high-performance software radio LTE UE	Ismael Gomez	14:45	15:10
Prototyping the 5G Air Interface in GNU Radio: An FBMC Primer	Milan Zivkovic	15:15	15:40
Synchronization in distributed SDR for localization applications <i>The challenge of nanosecond accuracy</i>	Johannes Schmitz	15:45	16:05
Wideband measurement strategies: from RADAR to passive wireless sensors <i>... and how passive wireless sensors were/are used by intelligence agencies.</i>	Jean-Michel Friedt	16:15	16:40

Holy **** that's a lot of talks!

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Tools / Intro
to SDR

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Academics

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Hardware

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Panel

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Platforms

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5G /
Telecoms

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Localization

Volunteers

Speakers

Thanks!

Frites et Gaufres

FOSDEM

Delirium

