Universal Radar Platform

Master/Project

Task Description

- Radar systems typically utilize a baseband platform, which controls the waveform shape generated by the radar frontend and records the received data from the frontend; synchronous operation, determinism and timing precision are crucial
- In this thesis, a universal radar baseband platform based on the RedPitaya STEMlab 125-14 shall be designed and implemented
- Main goals: large waveform buffers, high-speed interface to PC, hardware timestamping, synchronization

Skills / Interests

- *Background in radar systems*
- *C/C++, FPGA Development (Xilinx Vivado)*

Contact

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