

## Overview:

- Performance evaluation of an UWB IQ radar at 5 GHz
- Initially: SISO radar
- Ultimately: Expansion to 2x4 MIMO radar

## Aspects:

- System layout
- Impulse generation using an FPGA
- Simulations of the system and target detection
- Orthogonal code creation
- Implementation of both SISO and MIMO radar
- Measurement and validation of the system

