The *radarbook* is a novel microwave radar evaluation platform for R&D laboratories, educational institutions, and for rapid prototyping. With out of the box software examples, startup of 24 or 77-GHz radar sensors from Doppler-radaras to multi-channel MIMO sensors is done within minutes.

A high performance analog processing chain and the FPGA based raw data processing allow radar experiments on a state-of-the art level in a very short time.

Full software support of 24 and 77-GHz radar IC's in C# and Octave/Matlab, with a fully configurable processing chain.

**Supported MIMO Frontends**
- Infineon 77-GHz
- Infineon 24-GHz
- Analog Devices 24-GHz Chipset

**Analog Input Chain**
- 12 analog channels
- Programmable signal-conditioning

**Signal-processing**
- Rate reduction
- FFT, chirp-z
- Zoom-FFT
- Re-configurable

**Available Frameworks**
- Sampling
- Range-Doppler
- Beamforming

**Architecture/Interfaces**
- Linux OS
- LAN, WLAN, USB
- Configuration via Web-interface
- Standardized command interface

**Single power supply**
- 10 – 36 V

**Focus on your Application and Don’t Waste Time with Hardware Debugging**

For further information contact radarbook@inras.at

Subject to technical modifications 11/2014