

# Characterization of electronic devices

## CONTACT

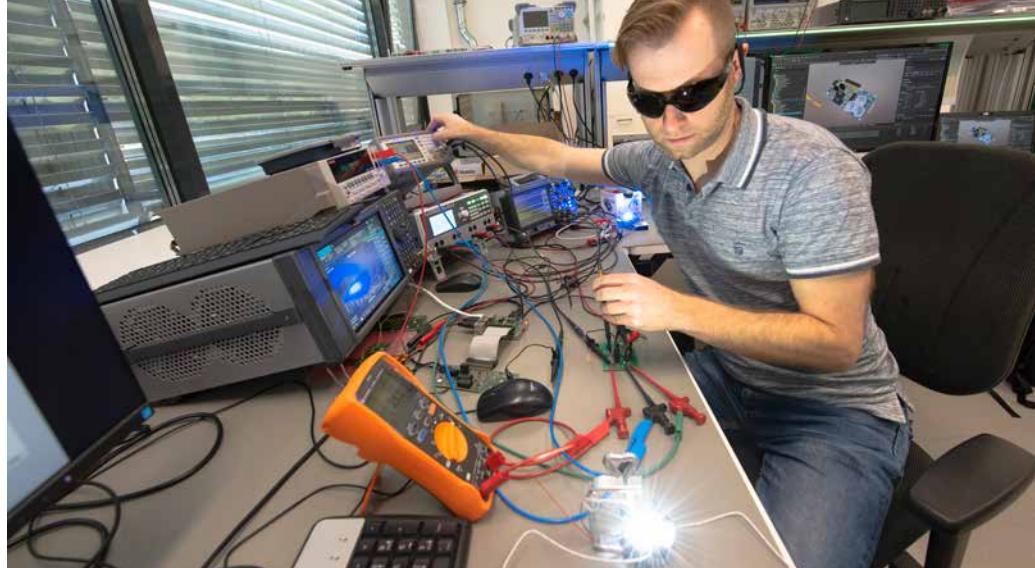
JOANNEUM RESEARCH  
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### MATERIALS

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In our electronic characterization laboratory in Pinkafeld, we offer a modern research infrastructure for cooperation with customers:

- CTS TS-70-350-5 temperature test cabinet with a size of 650 x 720 x 750 mm for testing from -70°C until +180°C with max. 3500 W thermal load
- Keysight DAQ970A data logger with simultaneous recording of up to 40 analog inputs (e.g. temperature spots)
- Fluke Ti401 PRO thermal camera with 640 x 480 pixel
- Keysight E5080A vector network analyzer for determining the transmission characteristics of filters, amplifiers or antennas from 9 kHz to 6.5 GHz
- Keysight N9010B spectrum analyzer for acquisition and display of signals in the common radio and communication frequency range from 10 Hz to 7 GHz
- Keysight N5172B signal generator from 9 kHz to 6 GHz at high output power
- Keysight DSOS404A oscilloscopes for analysis and recording of signals up to 4 GHz
- Keysight 34461A table multimeters with 6½ digits and up to 1000 measurements per second
- Keysight E4980AL LCR-meter for precise measurement of complex resistances
- Keysight B2911A source measure unit with a resolution of 10 fA
- EMV equipment incl. a TEM-cell for measuring radiated emissions and immunity in a shielded tent
- Software controlled frequency generators, direct current sources up to 600 V and laboratory power supplies from Rohde&Schwarz, Rigol, Keithley and Keysight
- Toellner TOE 9261-100 electronic switch for micro interruptions in supply and ground lines up to 100 A
- Emtest esd NX30 Electrostatic Discharge (ESD) simulator for immunity testing in compliance with IEC 61000-4-2 and ISO 10605, up to 30 kV
- Beha-Amprobe GT-900-D appliance tester for testing in accordance with EN 50678 and EN 50699

Foto: JOANNEUM RESEARCH/Schwarzl