

PhD position (m/f/d)

A PhD position (m/f/d) is open in the group of Prof. Dr. Uwe Czarnetzki (Chair for Experimental Physics V, Ruhr University Bochum, <https://www.ep5.ruhr-uni-bochum.de>).

The PhD thesis will be dedicated to electric field measurements by an Electric Field Induced Second Harmonic generation technique (EFISH) in nanosecond discharges as part of the CRC 1316 “Transient atmospheric pressure plasmas: from plasmas to liquids to solids” project (<https://sfb1316.rub.de>).

Besides the temporally and spatially resolved EFISH measurements the PhD student will be intended to study the discharges by other experimental techniques, such as voltage/current measurements, Optical Emission Spectroscopy (OES), ICCD and Streak camera imaging, etc.

The final goal of the work will be to gain fundamental understanding of transient atmospheric plasma discharges and Atmospheric Pressure Plasma Jets (APPJs), in particular.

RUB stands for diversity and equal opportunities. Therefore, we promote the cooperation of heterogeneous teams and the professional path of people who are underrepresented in the respective work areas. The RUB expressly encourages applications from women. In areas in which they are underrepresented, they will be given preferential consideration if they have the same qualifications. Applications from people with disabilities are also very welcome.

Please contact Prof. Dr. Uwe Czarnetzki (uwe.czarnetzki@ruhr-uni-bochum.de).