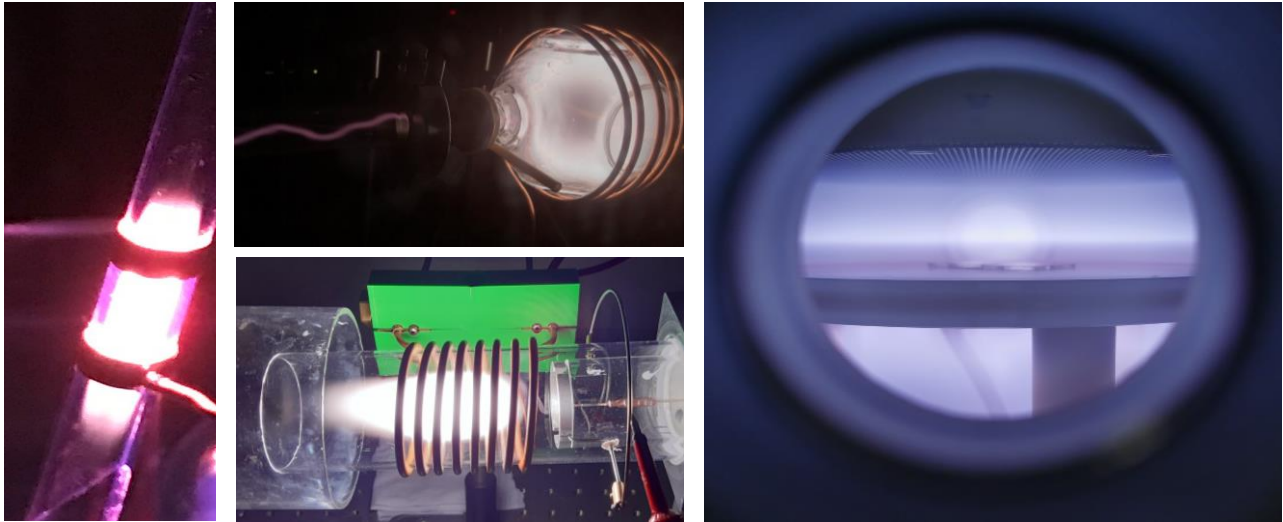


Scientific Research Position in Plasma Technology



Work description

The current research work of the light-, ECG- and plasma technology working group at the Light Technology Institute of the Karlsruhe Institute of Technology focus on a wide range of plasma technology, including atmospheric pressure plasma torch, reactive ion etching system, micro/nano-surface structuring, and electrodeless gas discharge radiation sources.

The researcher will experience high-level scientific working contents both in theoretical and experimental aspects. During the work, the researcher will be familiar with the cutting-edge equipment such as scanning electron microscope, UV-VIS-IR spectroscope, Fourier-transform infrared spectroscope, high-frequency electronics and so on.

As a final destination, the researcher would have a wide range of possible topics for achieving a doctoral degree.

Requirement

The candidate should have the following qualities:

- Master degree in electronics, physics, chemistry, material science or equivalent, with good or first class grades
- Basic knowledge of electronics, especially in high-frequency domain
- Working experience in electronic, laser lab and cleanroom will be a bonus
- The candidate must have good problem solving skills, be ambitious but above all a team player
- The candidates must be fluent in English, both in speaking and writing

Institute

Light Technology Institute

Department

Light-, ECG-, plasma technology

Location

LTI (KIT, Campus South)

Research field:

Plasma technology

Starting date

As soon as possible

Contact person

Dr. Rainer Kling
+49 721 608 42537
rainer.kling@kit.edu