

Postdoc Position, Optical diagnostics of low-temperature plasmas, IPP Prague, Czech Republic

The Department of Pulse Plasma Systems of the Institute of Plasma Physics of the ASCR (Prague, Czech Republic) invites applications for postdocs to work on the development of optical diagnostics (120-1100 nm spectral range, with enhanced spatiotemporal resolution). Our research group focuses on streamer-based discharges in atmospheric gases and nanosecond discharges in water.

An overview of our current activities is available at the following websites:

<https://www.researchgate.net/project/Advanced-research-of-kinetic-processes-in-streamer-discharges>
and

<https://www.researchgate.net/project/Fundamental-phenomena-of-a-nanosecond-discharge-in-liquid-water>

The post-doc position is offered for 1 year (full-time basis only) with the possibility of extension for another two years.

Basic requirements for candidates:

- PhD in experimental plasma physics (or equivalent).
- Practical experience with OES/LIF/TALIF + data processing/analysis.
- Sufficient track record of high-quality journal publications.
- Fluent English.
- Programming skills in LabVIEW (not mandatory but is considered an advantage).

Contact:

Dr. Milan Šimek

Department of Pulse Plasma Systems

Institute of Plasma Physics of the Czech Academy of Sciences

simek@ipp.cas.cz