

Post-doctoral researcher position at the [Nagoya University](#), Japan (Center for Low-temperature Plasma Sciences)

Our Laboratory, the *Center for Low-temperature Plasma Sciences (CLPS)* (director – prof. Masaru Hori), Nagoya University, Japan, is looking for potential candidates to join the plasma diagnostics group.

The research work includes: optical emission, absorption and (especially) laser-based spectroscopy techniques for plasma diagnostics, for both fundamental and application-related research. The plasma chemistry of the discharge radicals, electric field measurements, direct quenching measurements, as well as bio-medical applications are among the main research directions.

The CLPS is the well-known research Laboratory, especially for the works related to plasma diagnostics conducted during the previous decades. It possesses unique diagnostic equipment, such as high-resolution spectrometers, deep-ultraviolet spectrometers, as well as the modern ns- and ps- laser systems for advanced discharge characterization.

Main requirements to candidates:

- *Fluent English level,*
- *Decent knowledge in the field of spectroscopy and gaseous discharges,*
- *Knowledge of laser spectroscopy (scattering, LIF, TALIF, CARS, etc. – at least one of those),*
- *Laser operation skills (or readiness to learn them quickly),*
- *Programming skills (MatLab, Mathematica, Python, LabView – at least one of those),*
- *Interest to scientific problems and the ability for self- education,*
- *Ability for data analysis and writing of scientific papers.*

Contacts:

Please contact associated prof. Nikolay Britun or/and the Director of the CLPS (prof. Masaru Hori) by sending your CV in English. The approx. time framework is the end of 2022 yr.

Contact persons:

prof. Nikolay Britun: britun@plasma.engg.nagoya-u.ac.jp

director, prof. Masaru Hori: hori@nuee.nagoya-u.ac.jp

Websites:

Nagoya University: <https://en.nagoya-u.ac.jp/>

CLPS center: <https://www.plasma.nagoya-u.ac.jp/#>