

POSTDOC POSITION IN ULTRAFAST VUV PHOTOELECTRON SPECTROSCOPY OF NON-ADIABATIC DYNAMICS

We invite applications to a post-doctoral position in Physical Chemistry Laboratory at Kyoto University, Japan. The employment term will be two years, starting in September 2017. The starting date is negotiable but it should be no later than November 2017.

The position is for time and angle-resolved photoelectron spectroscopy of liquid microjets using ultrashort VUV pulses generated by filamentation four-wave mixing and high harmonics generation. Both light sources are running in our laboratory.

Kyoto is a beautiful old capital of Japan with rich cultural backgrounds and international atmosphere. Kyoto University is located in the center of this city and well-known for its activities in natural science.

Interested candidates are advised to send the following information by email to suzuki at kuchem.kyoto-u.ac.jp.

- ◇ CV
- ◇ List of publications
- ◇ Brief description of your research interest
- ◇ Two references (names and e-mail addresses)
- ◇ Desirable starting date

If you have any questions about the position, please feel free to write to Suzuki.

We are looking forward to working with you!

References

- "Time and angle resolved photoemission spectroscopy of hydrated electrons near liquid water surface", *Physical Review Letters* **112**, 187603 (2014)
- "Resolving non-adiabatic dynamics of hydrated electrons using ultrafast photoemission anisotropy" *Physical Review Letters* **116**, 137601 (2016)
- "Full observation of ultrafast cascaded radiationless transitions from S₂($\pi\pi^*$) state of pyrazine using vacuum ultraviolet photoelectron imaging", *J. Chem. Phys.* **145**, 044306 (2016)
- "Wavelength dependence of UV photoemission from solvated electrons in bulk water, methanol, and ethanol", *J. Phys. Chem. A* **120**, 1153 (2016)
- "Charge-transfer-to-solvent reactions from I⁻ to water, methanol, and ethanol studied by time-resolved photoelectron spectroscopy of liquids", *J. Chem. Phys.* **145**, 074502 (2016)

Toshinori Suzuki
Professor of Chemistry
Kyoto University, Japan
E-mail: [suzuki at kuchem.kyoto-u.ac.jp](mailto:suzuki@kuchem.kyoto-u.ac.jp)

<http://kuchem.kyoto-u.ac.jp/bukka/eng/index.html>