PhD position
at the Swiss Federal Institute of Technology Lausanne (EPFL)
for aerosol sampling and spectroscopy analysis

The Atmospheric Particle Research Laboratory (APRL) at EPFL invites applications for the position of PhD student in the field of aerosol sampling and infrared spectroscopy analysis. The object of the project is to develop instrumentation for capture of aerosols and associated vapors, and to spectroscopically characterize chemical composition for a suite of laboratory and atmospheric samples. The project is primarily experimental, but inclination for programmatic analysis of data will be beneficial.

Requirements for applicants:
- Master’s degree with strong technical preparation in engineering, physics, physical chemistry, or related field
- Strong proficiency in spoken and written English
- Demonstrated academic achievement and motivation for research

The position is available immediately. Interested candidates are encouraged to submit date of availability, letter of motivation specifying interests overlapping with APRL, curriculum vitae, and a list of three references to Prof. Satoshi Takahama (satoshi.takahama@epfl.ch). Applicants should also apply in parallel to either the Doctoral Program in Chemistry and Chemical Engineering (EDCH) or Civil and Environmental Engineering (EDCE), for which an application may be filed at http://phd.epfl.ch.

EPFL offers a dynamic, international working environment with world-class resources. APRL (http://aprl.epfl.ch) is a laboratory within the Institute of Environmental Engineering (IIE), Department of Architecture, Civil and Environmental Engineering (ENAC). The mission of the laboratory is to combine mathematical/numerical modeling, instrument development, field/laboratory experimentation, and statistical data analysis to link sources and transformations of atmospheric particles to their role in public health and the climate system.