



**SAGE**  
Sciences de  
l'Atmosphère  
et Génie de  
l'Environnement

---

**Postdoctoral position in  
Aerosol Mass Spectrometry  
measurements and analysis**

A one-year postdoctoral position (with 6-month renewal upon satisfactory performance and availability of funding) is available starting Jan. or Feb. 2016 in the Department of Atmospheric Sciences and Environmental Engineering of the Mines Douai Engineering School and Research Center in Douai, France ([http:// http://sage.mines-douai.fr/](http://http://sage.mines-douai.fr/)).

This position focuses on field studies of submicron aerosols by a High Resolution-Time of Flight-Mass Spectrometer (HR-ToF-AMS). In particular the applicant will:

- lead the scientific analysis of an intensive field campaign already conducted at an industrialized coastal site in Dunkirk, where collocated instruments such as an ACSM, a PTR-MS and dynamic measurements by LIDAR were deployed;
- be responsible for the deployment of our HR-ToF-AMS instrument and corresponding data analysis during the next ACSM intercomparison exercise planned at the SIRTa (suburban area of Paris) in March 2016 (minimum of 4 weeks on site) within the framework of the ACTRIS2 project.

A Ph.D. degree in chemistry, atmospheric sciences, environmental engineering, or a related discipline is required. Prior experience with aerosol mass spectrometry and field campaign is preferred. Additional skills in complex data analysis including source apportionment, especially with Igor Pro, are highly desirable. The applicant will need to travel to the field studies, and to work in team with members of our group and multiple collaborators, as well as to lead the writing of papers for peer-reviewed journals.

To apply, please send by email a cover letter describing your research interests and how you meet the above-mentioned criteria, a CV, date of availability, list of publications and at least 2 references to Prof. Véronique Riffault ([veronique.riffault@mines-douai.fr](mailto:veronique.riffault@mines-douai.fr)). Review of applications will begin Dec. 14, 2015 and continue until the position is filled.