



---

## PhD position in surface science @ IJL:

### Electronic properties of quasicrystalline materials

---

Applications are invited for PhD Position in Surface Science at University of Lorraine in the Jean Lamour Institute located in Nancy, France, team "[Metallurgy and Surfaces](#)".

**The aim of this project** is to understand the electronic properties of quasicrystalline systems in bulk intermetallics as well as in artificial two-dimensional films. For this purpose, surfaces will be prepared in situ under ultra-high vacuum and angle-resolved photoelectron spectroscopy will be carried out in combination with scanning tunneling spectroscopy.

**The projet will be held at IJL**, [one of the largest Material Science laboratories in Europe](#). The student will learn aspects of surface/interface science, materials science and surface analytical characterization techniques. The project will involve [a wide range of electron and local probe spectroscopies](#). (AES, LEED, ARPES, STM/STS,...).

**This position is funded** by the french Ministère de l'Enseignement Supérieur et de la Recherche **for up to three years**.

This full-time position will be available as of **October 2018**.

Application deadline: **25th of April**

We are looking for a highly-motivated and skilled student holding a Master's degree in physics, materials science or related field. Proficiency in spoken and written English is mandatory.

**For further information** about the position please contact Dr. Muriel Sicot, [muriel.sicot@univ-lorraine.fr](mailto:muriel.sicot@univ-lorraine.fr) and visit our website [www.ijl-univ.lorraine.fr](http://www.ijl-univ.lorraine.fr)

We look forward to receiving your application including a letter of motivation, CV, diplomas with transcripts (grades/marks during BSc and Msc) and contact details of two referees.