



Post-Doc/ R&D Engineer proposal: Magnetometry and magnetic characterization

Offer : One year post-doc/engineer position starting in autumn 2020 (contract can be extended after one year)

Context: The Institut Jean Lamour (IJL) at Université de Lorraine is one of the largest material sciences institute in Europe with about 550 people. It hosts a magnetometry platform based on 9 magnetometers (2 SQUID-VSM, 3 PPMSs, 3 VSMs, 1 MOKE) and relying on two staff members. Our platform carries actions mostly in physics, chemistry and nanosciences, but also in metallurgy, geology and sciences for living systems. It welcomes academic users as well as engineers from private companies. The R&D catalogue covers a large spectrum of services proposed to any European SMEs and industries : magnetometry measurement service, R&D collaboration, training or advising, metrology development.

Institut Jean Lamour is one of the leading partners of the French and European Magnetometry Network (www.magnetometrie.cnrs.fr and www.magnetometry.eu). Both networks aim to build community in the field of magnetometry in order to : intensify scientific and technical exchanges between magnetometry users ; chair, maintain and improve knowledge, know-how and good practices ; favour the accessibility of magnetometry platforms to academic and R&D researcher ; teach and train young scientists and engineers in the field of magnetometry.

Objectives: There are two main objectives for the post-doc/engineer work. The first task is internal to IJL platform. The post-doc/engineer must optimize the magnetometry tools, train new regular users, perform measurement service for non-regular academic and private users, and participate to on-going scientific projects. The post-doc/engineer will also participate to R&D projects of the platform. The second role consists in developing and promoting the networks R&D activities. This includes website improvement, lifelong training, meeting new partners, performing R&D work.

Location : Post-doc work will be located at Institut Jean Lamour at Nancy (France)

Candidates : PhD in physics, materials science, chemistry, engineering. The candidate should have a strong expertise in magnetic measurement. The candidate must enjoy experimental and team work. Experience with French language and with WordPress software are welcome.

Application : Please send a letter of motivation, CV, diplomas references details to the contact e-mails.

Contact : Thomas Hauet (thomas.hauet@univ-lorraine.fr)