

*Postdoctoral position available at CRISMAT Laboratory (Caen, France)*

## **Synthesis, structural analysis and transport properties of complex sulphide materials**

Launched for the first time in 2015, the Norman excellence initiative on materials and combustion fits into a global context of international mobility of researchers. To promote the international attractiveness of Normandy (France), it offers young scientists excellent working conditions within a French research organization. This is a "win-win" initiative that is underpinned by a high level of commitment on the part of the hosting organization. It is open to high level scientist whose career is widely recognized at global level, with a record of excellence on the international scene.

The applicant will benefit of an ideal environment with open access to CRISMAT facilities: synthesis techniques (SPS, microwave, etc..), X-ray diffractometers, scanning and transmission electron microscopes, low temperature (PPMS, SQUID) and high temperature measurements (ZEM3, Laser Flash, TG/DSC, etc...). The position is awarded for 24 months. A technician will be recruited to provide technical support for samples synthesis and preparation. The postdoctoral stay would ideally begin in January 2016. Wages : 2600€/month (net salary).

### **Topic:**

This position is focused on the design of complex sulphide materials, including synthesis, structural and chemical characterization, and transport properties measurements.

Applicants should have a strong background in materials science, solid-state chemistry and physics. Experience in structure analysis (Rietveld refinement, large instruments facilities, TEM) as well as transport properties measurements and band structure calculations would be an advantage.

The candidate should possess excellent English communication skills, both oral and written.

Interested applicants should send CV, motivation letter and recommendation letters before 6<sup>th</sup> September 2015 to:

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