

The Centre de Recherche Public - Gabriel Lippmann, a public establishment for applied scientific research and technology transfer, has openings on basis of temporary contracts for its department "Science and Analysis of Materials" (SAM) that focuses in the following fields: characterization of materials, surface treatment and thin films, instrumental developments, nanotechnologies and nanomaterials for

3 Physicists specialised in charged particle optics (m/f)

Mission:

Participation in several challenging instrumental development projects aiming in particular at new high-resolution nano-analysis instruments. These R&D projects are performed in collaboration with international academic partners and instrument manufacturers. The research work will consist notably in performing charged particle optical calculations, designing the new instruments and testing the prototype instruments.

Profile:

- PhD in physics with a special emphasis on charged particle optics,
- Experience with SIMION and/or other charged particle optics simulation software is mandatory,
- A first experience in instrumental development is mandatory,
- Experience in Mass Spectrometry and/or ionisation techniques will be an asset,
- Strong experimental skills,
- Fluency in English (spoken and written) is a must,
- Excellent communication, organisational and interpersonal skills.

Candidates who are interested in the above position should send their application (with the reference **SAM-11210-PHY**) including CV, motivation letter and names of two or three referees, either by e-mail to recrutement@lippmann.lu (format doc or pdf) or by mail to:

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