



## Researcher/PhD student in hydrometallurgical processing (leaching) of electronic wastes

**Offer type:** research engineer/PhD student

**Preference:** Preference will be given to candidate willing and having possibility to deliver a PhD thesis in the frame of the project

**Financing:** Public : EU program RFCS "Research Funds for Coal and Steel"

**Workplace:** Liege - BELGIUM

**Skill area:** Engineering – **Extractive Metallurgy, Hydrometallurgy, Mineral Processing**

**Competence level:** Engineer or Master 2

### General information

The University of Liège is a public funded University located in the French speaking part of Belgium in the heart of Europe, where the Euregio-Meuse-Rhine axes converge. More than 20 thousand students are currently enrolled in various study programs within the 10 Faculties belonging to the University.

The current position is affiliated to the Faculty of Applied Sciences, ARGENCO Department and more precisely to the research unit of Mineral Processing and Recycling - GeMMe. The Faculty is situated at the Sart-Tilman Campus, about 20 min bus ride from down-town Liege.

<http://www.gemme.ulg.ac.be/>

### Offer:

Salary range: ~ research engineer level; 30000 - 35000 € annual gross

Full time 3 year work contract

Starting date - 1 of July 2016

It is desirable that the candidate enrolls for a PhD study within the College of Geological, Architectural and Civil Engineering, Fac. of Applied Science, ULg

### **Candidates profile:**

The position is open for candidate in mineral processing, metallurgical, chemical or geological engineering with experience in hydrometallurgy/extractive metallurgy of non-ferrous metals.

The PhD project is funded by a RFCS project dealing with development of bio-assisted processes for WEEE recycling.

The successful applicant will develop research in close collaboration with the rest five consortium partners among them industrial actors, SME's and Universities. The work led by the University of Liege is related to study utilisation of specific leachates generated through bioleaching of low grade coal and colliery wastes as leaching agent for extraction of base and high-value metals contained in e-wastes which are processed in advance by dedicated procedure at industrial partner premises. The work will be realized both at laboratory and at semi-pilot scales. Regular interactions and results exchanges with industrial partners are therefore essential which accordingly should be a major activity anticipated. She/he will be responsible for producing project reports (in English) and scientific publications of high level.

Ideally the candidate should demonstrate past experience in recovery of metals from primary or secondary resources by hydrometallurgy, treatment of pregnant leach solutions, material mass balancing in hydrometallurgy and associated characterisation methods. The methods and the techniques supposed to be used are: agitative reactors, solvent extraction columns, electrowinning cells, etc.

Good French language command is highly desirable since some of the partners are based in France and Wallonia.

### **Application procedure:**

Please send your motivation letter, CV and other relevant information to:  
Prof. Stoyan Gaydardzhiev – Head of the Research Unit at: [s.gaydardzhiev@ulg.ac.be](mailto:s.gaydardzhiev@ulg.ac.be)

Only candidates judged suitable based on their application documents will be contacted for interview.