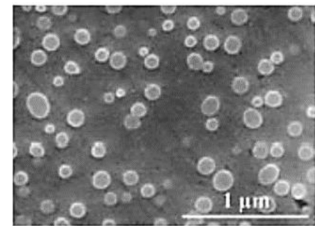


PostDoc position in Materials Engineering and Characterization (4MAT, Université Libre de Bruxelles)

'Local structural characterization of glass structure by Transmission Electron Microscopy: opalescent and phase separated glasses as case study'

The Project : The characterization of the amorphous structure of glass is still a major challenge in Materials Science. It is indeed much more complex than for their crystalline cousins. The *local* characterization is even more complex. In the present project we propose to use Transmission Electron Microscopy to measure 'Pair Distribution Fonctions (e-PDF)' at the local scale in close collaboration with the world-renown Brussels-based company Nanomegas. The materials investigated will be opalescent glasses whose optical properties are tuned by the size of the nano- to micro-scale phase separation. Those glasses are developed in collaboration with the European Research Centre of AGC, world leader in flat glass production.

Promotor: Prof. S. Godet.



You have

- A PhD degree in Engineering, Physics or Chemistry with a strong materials science background.
- Developed a strong experience in Transmission Electron Microscopy
- A very good to excellent level in English, certified by a TOEFL test. Knowledge of French is an asset.
- Very good communication skills
- Given talks in international conferences and published as first author in peer-reviewed journals.

You are

- Motivated by a 1 to 3-year research project, funded by Innoviris.
- Willing to work in collaboration with the industry
- Eager to take part to the supervision of younger PhD or Master's students.

We offer

- A great team, with many interactions with other universities and industrial partners.
- A laboratory with cutting-edge characterization tools.
- A (net) salary range of €2700 /month. The position is opened for immediate start. But we wait for the best candidate!

Interested? Contact us and send your CV: Loic.Malet@ulb.be and come visit us: <http://4mat.ulb.ac.be>