

## Open academic position in the field of

### Mechanics of Materials

The Department of Aerospace and Mechanical Engineering (A&M) of the University of Liège (Belgium) offers a full-time academic position to an expert in the field of material science working towards the experimental study of the mechanical behaviors of materials. The focus is on composite materials, smart materials (including damage-tolerant and self-healing materials) or biological materials (soft and hard tissues) and their applications in aeronautics/aerospace, land vehicles, energy technologies and biomechanics.

The candidate will develop an experimental scientific project building the bridge between the existing activities in synthesis of new materials or clinical practice, on the one side, and numerical modeling, on the other side. His/her primary activity will therefore focus on the characterization of the behavior of composite, smart or bio-materials, the understanding of their alteration mechanisms and the development of appropriate experimental techniques to study and quantify their properties. A substantial financial budget will be made available to support the development of the experimental facilities.

The selected candidate will develop research activities in his/her fields in close collaboration with the other research units of the Department and the Faculty. He/She will also teach undergraduate/graduate courses to students in the bachelor and master degrees and supervise student research. As an academic staff member, he/she will also assume administrative and management responsibilities within the Department, the Faculty and the University.

### Application procedure

Applicants must hold a Dr. or PhD degree. They will demonstrate an international scientific experience in their research fields and show a strong interest in teaching. They will have – or will commit themselves to acquire – a working knowledge of the French language.

The **deadline** for the submission of applications is **May 20, 2012**.

Applications must be submitted in duplicate by **registered mail** to the Rector of the University of Liège, Place du 20-Août 7, 4000 Liège, Belgique and must include

- the application letter,
- a detailed curriculum vitae with a complete list of publications,
- a short description of the candidate's five most significant publications,
- a detailed research plan, including the development of an experimental laboratory,
- an electronic version of all publications.

Sart Tilman B37 – B4000 Liège, Belgique  
Tél. : +32-(0)4-366.94.19, Fax : +32-(0)4-366.94.89  
E.Delhez@ulg.ac.be, <http://www.ulg.ac.be/mathgen>

Applicants should also send an electronic copy of their application material to the contact address (see below). They should also arrange for three international experts to submit letters of recommendation on their behalf.

At the end of the selection procedure, the selected applicant will be

- either appointed for a fixed period of not more than 5 years, after which a tenured appointment will be considered ;
- or directly appointed with tenure.

In both cases, the appointment will start on the 1<sup>st</sup> of October 2012 or later.

Contact address:

Prof. Eric JM DELHEZ  
Head of the Department of Aerospace & Mechanical Engineering  
Université de Liège  
Sart Tilman B37  
B-4000 Liège - Belgium  
E-mail : [E.Delhez@ulg.ac.be](mailto:E.Delhez@ulg.ac.be)

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Founded in 1817, the *Université de Liège* offers a complete range of university courses at undergraduate, graduate and post-graduate levels. It is divided into eleven faculties and schools: Philosophy and Letters; Law and School of Criminology; Sciences; Medicine; Engineering; Veterinary Medicine; Psychology and Educational Sciences; HEC Management School-ULg; Institute for Human and Social Sciences; Gembloux Agro-Bio Tech and Architecture.

Within the School of Engineering, the Department of Aerospace & Mechanical engineering offers several programs to undergraduate and graduate students. The main priorities, in terms of education and research, are in the fields of aeronautics, aerospace engineering, energy technology, mechanical engineering and biomechanics. The focus is therefore on solid mechanics, materials science, fluid dynamics and applied thermodynamics. The department has also a long standing tradition in computational mechanics (with spin-off like Samtech, Open-Engineering,...) and maintains active collaborations with both international research centers and industrial partners.

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

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