

Open academic position in the field of Computational Fluid Dynamics

The Department of Aerospace and Mechanical Engineering (A&M) of the University of Liège (Belgium) offers a full-time academic position in the field of computational fluid dynamics.

The candidate will develop a scientific project focusing on the development of numerical simulation tools and methods in fluid mechanics and on their applications in engineering.

The department has a special interest in the field of aerospace engineering, including, but not restricted to, high- and low-speed aerodynamics, hypersonic flows, fluid-structure interactions, aeroacoustics, combustion, chemically reactive flows,... An expertise in the field of computational gas dynamics is particularly welcome.

Research projects related to the development of CFD in biomechanics or in energetics and applications to the rheology of complex fluids will also be considered.

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 be expected to teach (in French or in English) undergraduate/graduate courses to students in the bachelor and master degrees and supervise research projects. 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.

The **deadline** for the submission of applications is **March 25, 2013**.

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,
- an electronic version of all publications.

Additionally, 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 1st of October 2013 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

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, graduate and PhD 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 materials science, continuum mechanics, dynamics and applied thermodynamics. The department has also a long-standing tradition in computational mechanic and maintains active collaborations with both international research centers and industrial partners.

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