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Full-time academic position in  
**metal constructions (25/2014)**  
**(Starting 01/10/2013)**

The Faculty of Engineering Technology, located on Campus De Nayer (Sint-Katelijne-Waver), and the Department of Civil Engineering of the Science Engineering and Technology Group of KU Leuven, invite applications for a full time academic position in the field of metal constructions. We are looking for a dynamic and motivated person (m/f) with an excellent research record in design and analysis of metal constructions and connections, who is also able to teach related courses.

## ASSIGNMENT

### *General introduction*

The position is located in Campus De Nayer in Sint-Katelijne-Waver, which is one of the operational sites of the Faculty of Engineering Technology. The faculty is a multi-campus faculty following the integration of the engineering technology educational programmes of the Association KU Leuven with KU Leuven. The faculty has its own teaching, research and doctoral profile. The appointee will be expected to perform to profile specific criteria and he/she will be evaluated against these criteria. The appointee is respectively a member of the Technology Cluster Construction of the Department of Civil Engineering and the Faculty of Engineering Technology of KU Leuven because of his/her research and teaching assignment.

### *Research*

The department is looking for a person with expertise in the design and analysis of metal constructions, including connections (e.g. bolted and welded connections). Actual research topics are cold-formed thin-walled steel constructions, composite steel and concrete structures and optimization of connection techniques in metal structures. The aimed research entails experimental research on construction components and structures, as well as the development and use of numerical models. The successful candidate will have access to testing equipment for large construction components and is expected to further strengthen and extend these laboratory facilities. He/she will develop an excellent research program (contract, project and PhD research) in close cooperation with industry (particularly with SMEs) to achieve industrial innovation and scientific output that adheres to the highest international standards.

The appointee will perform his/her research (50%) within the Materials and Structures research group (Campus De Nayer) and the Technology Cluster Construction (Department of Civil Engineering). He/she will support and further expand research collaborations with the Building Materials and Building Technology Section and the Structural Mechanics Section of the Department of Civil Engineering, as well as other national and international partners.



### *Teaching*

The successful candidate will take on teaching responsibilities in the Bachelor and Master of Science in Engineering Technology - Construction Engineering and the Master of Welding Engineering.

The appointee shall also be willing to teach or coordinate other courses related to his/her domain of expertise and to guide master theses.

### *Service*

In addition to the research and teaching assignment, the selected candidate must be willing to perform more applied research projects, in collaboration with industry and government.

## **QUALIFICATIONS**

The position is open to applicants with a PhD or doctoral degree in Engineering.

Applicants are expected to have an excellent track record in applied research as well as good teaching and training skills concurrent with the specific research and educational profiles of the Faculty of Engineering Technology.

Qualified candidates:

- have an excellent research record in the design and analysis of metal constructions;
- have experience in project applications and implementation in cooperation with industry;
- have the ability to establish a network with industrial partners;
- have experience in leading a research team or the competence to do so;
- have experience in valorization of research towards industrial applications;
- have international research experience, industrial experience and/or teaching experience.

If you do not speak Dutch, you will be expected to learn the language within three years of your appointment. The required proficiency level will depend on the duties assigned to you. Dutch language courses are offered at KU Leuven.

Proficiency in the English language is also required.

The appointee must accept the necessary mobility required for fulfilling his/her teaching and research assignments.

The selected applicant will be made at the rank of assistant professor or higher, depending on the candidate's qualifications.

KU Leuven pursues a policy of equal opportunity and diversity.

### **Contact persons:**

- Professor Geert Degrande, head of the Department of Civil Engineering, KU Leuven, [geert.degrande@bwk.kuleuven.be](mailto:geert.degrande@bwk.kuleuven.be)
- Professor Jan Ivens, head of the Department of Engineering Technology, Campus De Nayer – Thomas More, [jan.ivals@mtm.kuleuven.be](mailto:jan.ivals@mtm.kuleuven.be)

**Deadline for on-line application is 14/03/2013.**

Should you encounter any problems with the electronic application, please contact Mrs. Katoe Buyle, e-mail: [katoe.buyle@pers.kuleuven.be](mailto:katoe.buyle@pers.kuleuven.be), tel.: +32 (0)16 328 324.