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Full-time academic position in  
**building acoustics (24/2004)**  
*(Starting 01/10/2014)*

The Department of Civil Engineering of KU Leuven invites applications for a full-time academic position in building acoustics. We are looking for a dynamic and motivated person (m/f) with an excellent research record, who is able to teach courses related to building acoustics, noise control and room acoustics.

**DUTIES INCLUDE**

*Research*

The successful candidate is expected to perform research in building acoustics, with emphasis on sound-structure interaction aiming at improving the acoustic quality of buildings and the built environment.

He/she will contribute to fundamental insights on sound transmission, sound radiation and sound absorption and will show abilities to analyze and improve the acoustic properties of building materials, components and structures. He/she will work on innovative solutions for airborne and structure borne sound isolation and topics in room acoustics. Research will include the development and use of numerical models to study the acoustic behavior on the material, component and building level, as well as experimental research in the laboratory and in situ.

KU Leuven performs innovative research on noise and vibration. The successful candidate will join the Structural Mechanics Section, where research on vibrations in the built environment and the identification and evaluation of structures is performed. Synergy between research on noise and vibration in buildings is pursued. He/she will also closely cooperate with the Acoustics and Thermal Physics Section of the Department of Physics and Astronomy, where research on physical acoustics is performed and building acoustics infrastructure is available (anechoic chamber, sound transmission suite, reverberation room). Cooperation with the Noise and Vibration Research Group of the Department of Mechanical Engineering, where research is performed on the characterization and optimization of the vibro-acoustic behavior of mechanical structures, the Department of Architecture, Urbanism and Planning, and other (inter)national research partners is further elaborated.

He/she will support and further expand national and international research collaborations of the Department of Civil Engineering. In addition, he/she will be expected to develop an excellent research program and to achieve scientific output that adheres to the highest international standards.

*Teaching*

The successful candidate will take on teaching responsibilities related to building acoustics, noise control and room acoustics in the Bachelor and Master of Science in Civil Engineering and in the Bachelor and Master of Science in Engineering: Architecture.

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He/she is expected to meet KU Leuven's standards regarding academic program level and orientation and to adhere to KU Leuven's educational concept. Commitment to high quality education is also understood.

### *Service*

In addition to the research and teaching duties, candidates are willing to perform more applied research projects in collaboration with government and industry.

### **QUALIFICATIONS**

Interested candidates should hold a PhD or doctoral degree in Engineering or Sciences.

Qualified candidates are expected to have an excellent research record and excellent teaching and training skills, in order to contribute to the research output of the Department of Civil Engineering and to the quality of its educational program. The high quality of the candidate's research should be evidenced by publications in international peer reviewed journals. International research or teaching experience as well as collaboration experience with the construction sector are highly appreciated. (Inter)national awards can be considered as an additional selection criterion.

Candidates who are not proficient in Dutch will be expected to learn Dutch within three years of the appointed. The required level of proficiency will depend on the assigned duties. Dutch language courses are offered at KU Leuven. Proficiency in English is also required.

### **OFFER**

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

The KU Leuven pursues a policy of equal opportunity and diversity.

**Contact person:** Prof. Geert Degrande, head of the department, [geert.degrande@bwk.kuleuven.be](mailto:geert.degrande@bwk.kuleuven.be).

**Deadline for on-line application is 30/09/2013.**

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