

The Centre for BioEngineering Research and Education (CBRE) in the Schulich School of Engineering (SSE) at the University of Calgary invites applications for a tenure-track Canada Research Chair Tier II in Biosensors at the rank of Assistant or Associate Professor.

The successful candidate will have earned a PhD and will have an established track record in the area of biosensors with an emphasis on sensor/biological material interfaces requiring knowledge of both chemistry and electronics, proven leadership in the field, and extensive expertise in knowledge creation and application. The successful candidate will lead an innovative and excellent research and development program in biosensors. The successful candidate will also be expected to engage in multidisciplinary research with the faculties of Medicine, Kinesiology, and Science, as well as industry partners. In addition, the successful candidate is expected to be involved with the multi-faculty Biomedical Engineering Graduate Programme. As part of the research program, the successful candidate will be expected to attract external funding for these activities and graduate student support. The successful candidate must also have the capability and the flexibility to teach at all levels of the Biomedical Engineering program, including common-core engineering courses. If the successful candidate does not hold a Canadian PEng, she/he will be required to register as a Professional Engineer in the Province of Alberta within two years of initial appointment, or within 4 years if additional examinations are required.

Biomedical Engineering has been identified as a key priority at the University of Calgary, with Neural, Cardiac, and Bone & Joint recognized as strong application areas. Research is conducted primarily within facilities located in Engineering, as well as in the Health Research Innovation Centre in Medicine, and the Human Performance Laboratory in Kinesiology. Biomedical Engineering has been strongly supported by the Alberta Government as an area of strategic importance. The Advanced Micro/nanosystems Integration Facility located in the Calgary Centre for Innovative Technology is available for use. The University of Calgary also hosts the Alberta Ingenuity Centre – Biovantage Inc., established to assist in developing and translating promising biomedical research concepts into products.

CBRE is responsible for managing the undergraduate Engineering Specialization in the SSE. This tenure-track Chair will complement the existing core faculty of the CBRE who represent all departments in SSE. The department in which the successful candidate ultimately resides will depend on his/her credentials.

Among Canada's universities, the University of Calgary is a comprehensive research university with close to 30,000 full-time equivalent students, including over 5,000 graduate students and in the Canadian top ten in a broad cross-section of measures, including research funding, endowment, graduation of PhD students, fundraising, and the quality of its professoriate. Calgary is the Canadian centre for engineering and is Canada's second largest head-office city. It enjoys a vibrant economy based on energy, high-tech and tourism industries. Calgary has a population of over one million, is situated in the foothills of the Canadian Rocky Mountains, and offers excellent recreational opportunities year-round like skiing and cross-country hiking. It was ranked the 5th most livable city in the world by the Economist in 2011.

Interested individuals are requested to submit via e-mail their curriculum vitae, statement of visions for the Chair, statement of research interests, statement of teaching focus and philosophy, including potential courses to be taught, copies of all academic transcripts, and three reference letters to:

Edward Vigmond, Director CBRE

[Schulich School of Engineering](#)

University of Calgary

e-mail: ljshaw@ucalgary.ca

Review of applications will begin July 31, 2011.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. The University of Calgary respects, appreciates and encourages diversity.