



## POSTDOCTORAL FELLOWSHIP UNIVERSITY OF CALGARY

### STATISTICAL SEISMOLOGY & INDUCED SEISMICITY

The Complexity Science Group in the Department of Physics & Astronomy in collaboration with groups in the Department of Geosciences (Dr. David Eaton, Dr. Per Pedersen) and in the Department of Civil Engineering (Dr. Jeffrey Priest, Dr. Ron Chik-Kwong Wong) at the University of Calgary invites applications for a Postdoctoral Fellow in the field of **statistical seismology, induced seismicity and statistical physics**. The successful applicant is expected to work closely with a multidisciplinary research team led by Dr. Jörn Davidsen on questions related but not limited to earthquake-earthquake triggering in the context of hydraulic fracturing in the field and in the lab. Successful candidates are expected to primarily conduct theoretical and computational research in collaboration with a number of industry partners. More information about the Complexity Science Group is available at [www.ucalgary.ca/complexity/davidsen](http://www.ucalgary.ca/complexity/davidsen).

Candidates should have received or will soon receive a PhD in geophysics, theoretical physics or a related discipline. A background in statistical seismology, induced seismicity or statistical physics is required. Solid data analysis and programming skills are beneficial. The position is open immediately. The specific start date has to be within five years of being awarded a PhD degree. The position is for one year with the option to be renewed for another year and it includes an annual stipend of \$48,000 plus benefits.

Applicants should submit their application package including a cover letter, CV with a list of publications, brief statement of research interests and their possible start dates in PDF format to [davidsen@phas.ucalgary.ca](mailto:davidsen@phas.ucalgary.ca). Applicants should arrange for at least two letters of reference to be sent as well. Review of applications will begin July 16, 2018 and continue until the position is filled. For additional information and informal inquiries, please contact Dr. Jörn Davidsen at [davidsen@phas.ucalgary.ca](mailto:davidsen@phas.ucalgary.ca).

#### **About the University of Calgary**

The University of Calgary is a leading Canadian university located in the nation's most enterprising city. The university has a clear strategic direction to become one of Canada's top five research universities, where innovative teaching and groundbreaking research go hand in hand, and where we fully engage the communities we both serve and lead. The strategy is called Eyes High, inspired by our Gaelic motto, which translates to 'I will lift up my eyes.' To succeed as one of Canada's top universities, where new ideas are created, tested and applied through first-class teaching and research, the University of Calgary needs more of the best minds in our classrooms and labs. We're increasing our scholarly capacity by investing in people who want to change the world, bringing the best and brightest to Calgary to form a global intellectual hub and achieve advances that matter to everyone.

#### **About Calgary**

Named a cultural capital of Canada and one of the best places to live in the world, Calgary is a city of leaders – in business, community, philanthropy and volunteerism. Calgarians benefit from the strongest economy in the nation and enjoy more days of sunshine per year than any other major Canadian city. Calgary is less than an hour's drive from the majestic Rocky Mountains and boasts the most extensive urban pathway and bikeway network in North America.