Unit name: Institute of Geophysics, Polish Academy of Sciences, Department of Geophysical Imaging

Job title: The PhD scholarship is partially funded by the National Science Centre of Poland for the project

City: Warsaw

Scientific discipline: Theoretical Geophysics

Date of announcement: 13.10.2021

The deadline for submitting offers: 27.10.2021

Form of offers: by e-mail to the following address: bialecki@igf.edu.pl

Scholarship from the NCN OPUS 14 project "Mechanistic explanation of a generation of (and deviations from) the universal curve of the Earthquake Recurrence Time Distribution by means of constructions of solvable stochastic cellular automata and their analytical description."

Tasks description:

- Generating inter-event time distributions using various versions of Random Domino Automata
- Numerical and analytical tests of the properties of extensions of Random Domino Automata
- Comparative tests with real data

Requirements:

The candidate should hold master's degree in exact sciences (preferred physics or mathematics), natural sciences (earth sciences) or technical sciences and a positive result of recruitment for doctoral studies (until the start of work).

Requirements for candidates: experience in the field of stochastic processes or statistical physics and modelling of complex systems; basic knowledge of earthquakes; ability to use the Mathematica program in the field of numerical calculations and simulations; good English in speech and writing; strong motivation for scientific work and willingness to develop knowledge in the field of theoretical geophysics.

Additional provisions are possible depending on successful research grants applications.

Expected start: 14.11.2021   end date 13.06.2022

Remuneration paid as a scholarship, in accordance with the REGULATIONS FOR AWARDING SCIENTIFIC SCHOLARS IN RESEARCH PROJECTS FINANCED FROM THE NATIONAL CENTER OF THE CENTER OF SCIENCE

https://www.ncn.gov.pl/sites/default/files/pliki/uchwaly-rady/2016/uchwala96_2016-zal1.pdf

Financial provisions: 7 months with monthly fellowship 4500PLN before taxes (= approx. 3200 after taxes). The total amount of the scholarship from all NCN sources

Additional information:

Required documents:

1. The application for a scholarship, in accordance with the formula provided in the announcement

In the title of the e-mail, select "OPUS14 G28"

The selection of a candidate will take place by 10.11.2021 r. Candidates will be notified about the results by e-mail.

The scholarship committee reserves the right to conduct an interview with selected candidates. The decision of the scholarship commission cannot be appealed.