Research scholarship

for a student in the National Science Centre project "Hybrid models of natural reasoning"

The research project aims to develop and study hybrid models of natural reasoning that combine methods of logic and deep learning. In hybrid models, reasoning is ultimately based on rules of logic, but neural networks are involved in tasks such as the process of premise selection or construction of reasoning steps. We will mostly investigate fragments of language, i.e. various subclasses of first order (or modal) logic that resemble natural language. However, we will be interested in analyzing and interpreting interactions between the logical and the neural components from the cognitive perspective rather than simply optimizing them.

To learn more about the project, write to mmalicki@impan.pl.

Your Profile

We expect:

- passion for interdisciplinary research at the intersection of cognitive science, logic and computer science
- strong background in methods of logic
- analytical skills and scientific mindset, independent, self-reliant and dedicated style of work
- programming skills and/or experience in machine learning
- good command of English (oral and written)

Eligibility
- candidate should be a student or a PhD student in Poland

Conditions of employment

- Scholarship agreement for a period of 10 months, starting from 1.09.2022

- The scholarship is 3000zł monthly

Application Procedure

For full consideration, send your application to mmalicki@impan.pl by July 31th, 2022. It should include a cv, a detailed description of your academic interests, experience, and achievements, as well as at least one letter of recommendation (or the name, address, and e-mail address of at least one reference).