

Doctoral Student Position
on the research project
Logics for Qualitative Reasoning

Project details:

Project title: Logics for Qualitative Reasoning
Principal Investigator: Joanna Golińska-Pilarek
Funding Organization: National Science Centre (NCN) in Poland
Project type: MAESTRO 1
Project Duration: June 2012 – May 2017
Host Institution: University of Warsaw, Institute of Philosophy
Project webpage: www.logicsforqr.uw.edu.pl

Project outline:

The project is concerned with the logical foundations of qualitative representation and reasoning applied in artificial intelligence. Qualitative Reasoning (QR) has emerged as a subfield of Artificial Intelligence to deal with representation and reasoning about continuous aspects of entities and systems in a symbolic, but human-like manner. The main issue in the QR approach is to develop an adequate tool for modeling situations in which information is not sufficiently precise or cannot be described by numerical values.

The project aims to develop logical theories and tools for qualitative representation and reasoning, with applications to many domains for which qualitative inference methods are significant. For more information contact the project leader.

Requirements:

- The candidate should hold (or expect to obtain not later than 30 September 2013) the master degree preferably in philosophy, logic, mathematics, computer science, psychology or related field.
- A solid background knowledge on logic
- Strong motivation for scientific work
- Ability to work goal-oriented, both independently and as a part of the team
- Good command of written and spoken English

Key responsibilities include:

- Active participation in the research of the project
- Submitting research results for publication in international peer-reviewed journals
- Presenting results at international conferences and workshops
- Successful completion of a PhD thesis within 4 years

Conditions of employment:

- Contract type: part time
- Gross salary: 2000 PLN/month
- Starting date: October 2013
- Duration: maximum of 4 years

The successful candidate will be appointed for one year initially, which will be extended by another three years subject to a positive evaluation.

Required documents:

- CV with the academic records (including: personal and contact details; short description of candidate's academic and research experience; prizes and awards; the list of scientific publications and presentations at scientific conferences)
- A copy of master thesis
- A writing sample (e.g., a published paper or a term paper)
- Cover letter that describes motivation for the project
- Preliminary proposal of a PhD research project of no more than two-three pages
- One reference letter

Applications should be sent before 30 June 2013 via e-mail to: j.golinska@uw.edu.pl

Please include in your application:

"In accordance with the personal data protection act from 29th August 1997, I hereby agree to have my personal data processed and stored by the Institution for recruitment purposes".