

*Postdoctoral 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](http://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.

**The candidate should hold PhD degree obtained not earlier than 6 years prior to starting date of the research with the project. Candidates who would defend their Ph.D. thesis before 30 September 2013 are encouraged to apply too.**

**Requirements:**

- An experience in scientific research, preferably in logical representation of knowledge and reasoning with incomplete or uncertain information, artificial intelligence, cognitive sciences, computer science and information technology, automation and robotics.
- A good publication record.
- Ability to work goal-oriented, both independently and as part of the team.
- Good command of written and spoken English.

**Key responsibilities include:**

- Active participation in the research of the project (formal representation for qualitative reasoning)
- Submitting research results for publication in international peer-reviewed journals
- Presenting results at international conferences and workshops

**Conditions of employment:**

- Gross salary: 3000 PLN/month
- Starting date: October 2013
- Duration: 1 year with possible 2 year extension

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

**Required documents:**

- CV
- List of publications
- A copy of PhD thesis
- Copies of three publications
- Cover letter that describes motivation for the project
- Research proposal (max. 3 pages)
- Two reference letters

Applications should be sent before 15 September 2013 via e-mail to: [j.golinska@uw.edu.pl](mailto: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".