**Director of the Institute of Theoretical and Applied Informatics
of the Polish Academy of Sciences
announces open competition for a adiunkt (post-doc) position in
the Internet of Things Group**

INSTITUTION: Institute of Theoretical and Applied Informatics, PAS
CITY: Gliwice
COUNTRY: Poland
POSITION: adiunkt (post-doc)
ANNOUNCEMENT DATE: 2024-05-21
DOCUMENTS SUBMISSION DEADLINE: 2024-05-29 14.00
WEBSITE: www.iitis.pl
KEYWORDS: modeling of computer systems, discrete event simulation, queuing methods

Description: The Institute of Theoretical and Applied Informatics of the Polish Academy
of Sciences offers a position of adiunkt (post-doc) as part of the project " Infrastructure Recovery
through Resilience Stress Testing in Ukraine" in the Internet of Things team. The project aims to test the
hypothesis that the recovery and resilience of systems against threats can be quantified through stress
testing of interconnected networks representing their system functions. The work will focus on creating
mathematical models and computer simulations to show how various systems, such as communication
and energy networks, cope after major failures or disasters. The work will also include issues related to
the reliability of IT systems. The position does not include teaching duties.

Requirements:
- a doctoral degree in computer science, mathematics, physics or related fields obtained from an entity other than IITIS PAN;
- doctoral degree obtained in 2024 or within 7 years before January 1, 2024, this period may be extended by the time spent in this period on long-term (over 90 days) sick leavesor rehabilitation due to incapacity for work. Additionally, this period may be extended by the number of months spent on leave related to the care and upbringing of children granted under the terms set out in the Labor Code, and in the case of women intending to enter the competition - by 18 months for each born or adopted child, if such a method of indicating career breaks scientific is more beneficial.
- experience in carrying out research work, confirmed by authorship or co-authorship of at least 2 scientific publications from the JCR list and participation in at least 2 R&D projects;
- practical programming skills in C++;
- ability to work in a team.

An additional advantage will be:
- knowledge of secrete event simulation modeling environments, such as e.g. the OMNeT++ or NS-3;
- knowledge of queuing theory.

List of required documents:
- application letter;
- Curriculum Vitae, including the list of publications and / or projects;
- Proof of obtained doctoral degree,
- A statement stating that, if the competition is won, IITiS PAN will be a place of scientific activity in the discipline of information and communication technology within the meaning of the Act of July 20, 2018. - Law on Higher Education and Science);
- Additional documents (or copies) verifying qualifications

All documents should be submitted by May 29th 14.00 and delivered by this date to the IITIS PAN)

Providing personal data in the competition is a condition for entering it, and all competition participants have the right to access their data, correct it and withdraw consent to its processing at any time (tantamount to resigning from participation in the competition).

Applications for the competition should be submitted in person or sent to the Secretariat of the Institute of Theoretical and Applied Informatics of the Polish Academy of Sciences, ul. Bałtycka 5, 44-100 Gliwice, with a note on the envelope: "Competition for the position of adiunkt (post-doc) at IOT group". Alternatively, scanned documents should be sent by e-mail to konkury@iitis.pl with the subject " Competition for the position of adiunkt (post-doc) at IOT group", and paper versions should be sent by regular mail. If accepted, the candidate will be required to provide paper copies of the application documents.

The deadline for submitting applications is May 29, 2024. 14:00 (date of receipt to IITiS is decisive). Interested persons are encouraged to contact Dr. Hab. engineer Krzysztof Grochla, kgrochla@iitis.pl for further information and explanations regarding the competition.