Postdoc

OFFER DESCRIPTION

University of Bucharest (UB) is running the **NETALERT** project
(https://cs.unibuc.ro/~pirofti/netalert.html) led by **Assoc. Prof. Dr. Paul Irofti**
(paul.irofti@fmi.unibuc.ro) through the **Research Center for Logic, Optimization and Security**
(LOS) (https://los.cs.unibuc.ro/).

The project "**NetAlert – Automatic tools for detecting abnormal behavior in computer networks**"
aims to create a hardware-software sensor solution for detecting anomalies in computer networks
based on the monitoring and analysis of data packets.

The network-mounted sensor will provide real-time alerts on abnormal traffic behaviors using two
complementary approaches:

(i) static analysis based on rules and behavioral patterns

(ii) machine learning (ML) analysis without prior expert knowledge

Check the set of required scenarios (https://cs.unibuc.ro/~pirofti/netalert/netalert-scenarios.pdf) and
features (https://cs.unibuc.ro/~pirofti/netalert/netalert-features.pdf) (in Romanian) for further technical
details of what needs to be accomplished.

The expected results are to be published in research papers (both top conferences and journals) and
Python software packages. The postdoc will be fully integrated with the relevant UB and LOS research
environments and staff (approximately 20 people).

Thus, we are searching for 1 full-time postdoc with a full-time schedule for an initial time of 16 months.
Starting gross salary is around 7000 lei (approximately 1414 Euro or 1555 USD). Additional benefits
include the possibility of long-term housing at the Gaudeamus Dorms
(https://unibuc.ro/student-ub/campus/camine-studentesti/#1555417404510-d9f2174e-e81d) of the
University of Bucharest. Please check the cost of living in Bucharest (https://www.numbeo.com/cost-
of-living/in/Bucharest) in regards to the gross salary amount.

Contact: Paul Irofti <paul.irofti@fmi.unibuc.ro> for further information.

Job Application: https://tinyurl.com/NetAlertJobs