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Project Detail:

We invite applications for a 3-year PhD Studentship to work in computer networks and network security, in the Wolfson School of Mechanical, Electrical and Manufacturing Engineering at Loughborough University. The successful applicant will join the Signal Processing and Networks Research Group, under the supervision of Dr. Konstantinos Kyriakopoulos.

The successful applicant will perform high-quality research in one or more of the topics related to computer networks and network security. Therefore, a strong background in computer network communications is essential. A core element of this project will be advanced network attacks and OpenFlow. Of particular research interest to this post is pattern recognition for advanced network attacks, machine learning and statistical algorithms for anomaly-based intrusion detection, network traffic measurements and intelligent data fusion, distributed algorithms, network architecture vulnerability exploration. Please, if you are interested, contact the primary supervisor (Dr. Kyriakopoulos) for more details and for raising your interest.

Entry requirements:

The successful applicant should have a 1st class or high 2:1 honours (or equivalent) degree in electronic/electrical engineering, computer science or a closely related discipline. An MSc with Distinction is desirable. Strong coding skills and research abilities are required.

Knowledge of network communications protocol stack (such as TCP/IP, 802.11), wired and wireless sniffing, experience with data mining/machine learning techniques, experience with C, Python or MATLAB programming and Linux OS are desirable. The successful candidate is also expected to be an enthusiastic team player who can work both independently and communicate effectively with others.

All applicants must meet the minimum English language requirements, details of which are available on the Loughborough University website:

<http://www.lboro.ac.uk/international/applicants/english/>

Funding information:

The studentship will start in July 2017, for three years, and currently provides a tax-free stipend of £14,296 per annum plus tuition fees at the UK/EU rate. While we welcome applications from non-EU nationals, we cannot guarantee that full funding will be available due to funding restrictions.

Contact details:

Name: Dr. Konstantinos Kyriakopoulos

Apply: <http://bit.ly/SDNnetworksecurity> , <http://bit.ly/SDN4sec>

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| Qualification type: | PhD |
| Location: | Loughborough |
| Funding for: | UK Students, EU Students |
| Funding amount: | £14,296 per annum |
| Hours: | Full Time |
| Placed on: | 4th April 2017 |
| Closes: | 5th May 2017 (but applicants can contact me even a few days beyond that deadline) |
| Reference: | KK030417 |