Trustable decentralised applications on reliable blockchain technologies

Fully-funded PhD Studentship
University of Stirling, UK

A fully funded PhD studentship on *Trustable dapps on reliable blockchain technologies* is available at the Computing Science and Mathematics division of the University of Stirling, UK, in collaboration with Wallet.Services (www.wallet.services).

The goal of this project is the design of a suitable framework to support the development of *reliable* and *trustable blockchain-based decentralised applications*. This project benefits from the participation of WalletServices (www.wallet.services), a well-established startup in the global fintech sector. WalletServices will provide use cases of interest and their industrial know-how to the project. The student is expected to carry out the research in collaboration with the company. The scientific project will take in consideration the latest developments in the technology, including, for instance, off-chain and multi-chain frameworks, tokenomics, proof of stake, blockchain programming and verification aspects. Specific interests and expertise of the student will also be taken into due consideration, as appropriate.

This project will be carried out under the joint supervision of Dr. Andrea Bracciali and WalletServices, within an international academic network with expertise in verification, game theory, cryptography, programming languages, modelling and finance, and will enjoy the support of a growing multidisciplinary group of researchers and students interested in blockchain technologies.

This project will also benefit from the thriving fintech Scottish sector, which has a strong interest in blockchain technologies, and could particularly contribute to the, academic or industrial, career development of the student.

Students with a background in, or across, computer science, economics, mathematics (non-exclusive list!), and interested in a scientific approach to breakthrough technologies are encouraged to apply. Exposure to formal verification, programming languages, game theory and/or understanding of “crypto-economics”, and/or competence in software development are a plus.

The studentship will cover tuition fees, and a standard stipend at RCUK rates (from about 14/15k GBP per annum), for three years for Home/EU students.

Interested candidates are invited to contact

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should they wish to apply for the position, or further discuss the project and any detail of the fellowship, PhD studies and university life at Stirling University and in Scotland in general. We would like to fill the position shortly, but the start date can be negotiated. We are planning to start interviewing applicants no later than October 11th and until the position will be filled.