



19J016 Student Assistant (F/M/D)

Title: Development of a blockchain-based energy market application

Background

The European Institute for Energy Research (EIFER) was established as collaboration between the Karlsruhe Institute of Technology (KIT) and Électricité de France SA (EDF) and is located in Karlsruhe, Germany. Today EIFER has a multi-cultural team of more than 100 employees. The teams "Policy Analysis and Energy Market Studies" and "Complex Systems Modelling" are currently looking for a student interested in blockchain-based solutions for the energy sector for a project in collaboration with the start-up HashnStore.

Position description

The student will support the development team on the further development of a local energy market application, including:

- The integration of an agent-based simulation model with a blockchain data ledger
- The development of a user story, and the development of an interface for mobile devices to interact on the local energy market

Optionally, the work could be carried out as a Master Thesis.

Required qualifications

- Student in the area of Computer Science and/or engineering (e.g. energy, industrial, mechanical engineering etc.)
- Knowledge on blockchain protocols (Ethereum, Factom, Hyperledger Fabrik etc.)
- Interest in the evolution of blockchain technologies and new technologies
- Knowledge on application development preferred (java, javascript, python etc.)
- Good communication and presentation skills
- Good knowledge of English is mandatory

Conditions

- Duration: 6 to 7 months, depending on the student's availability
- Working hours: 40 hours per month
- Start: as soon as possible
- Remuneration: ~460€/month, exact hourly rate depending on the student's education level
- Place of work: EIFER, Emmy-Noether-Str. 11, 76131 Karlsruhe

Contact

If you want to join a highly motivated research group, **please submit your electronic application with one single pdf of max. 5MB (including all relevant information as CV, copies of testimonials etc.) to jobs@eifer.org with reference to the offer number 19J016!**

For additional information concerning the work please contact
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