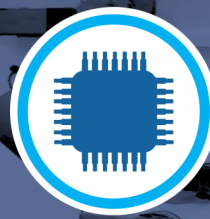




HOCH  
SCHULE  
OFFEN  
BURG



Institut für verlässliche  
Embedded Systems und  
Kommunikationselektronik



# Institute of reliable Embedded Systems and Communication Electronics (ivESK)

The Institute for Reliable Embedded Systems and Communication Electronics (ivESK) designs, implements and tests algorithms, protocols and platforms for efficient, secure and reliable wireless and wired communication solutions using embedded systems. To support our work related to our projects we are looking for

## Research Assistant [E-10, 100%] for a project in the field of industrial blockchain

For a research project in the field of Industrial Blockchain<sup>1</sup> we are looking for support of our team. On the one hand, the project is about securing supply chains in West Africa. On the other hand, the developed architecture should also be applicable in the industrial environment in Germany.

The four-year research project is carried out in cooperation with the KNUST University in Kumasi, Ghana.

### The tasks will include

- Development and extension of a blockchain architecture
- Integration and authentication of industrial components of the blockchain
- Implementation of the developed concepts by means of a private blockchain
- Coordination of the tasks together with the partners in Ghana

### What you should bring

- Interest and ideally initial experience in the field of security and blockchain environment
- Programming experience, ideally in Javascript/NodeJS
- Interests in both conceptual work and practical implementation

### What you can expect

- An extremely interesting scientific topic with high practical relevance
- A good mix of theoretical and practical work
- A well prepared team with vast experience in industrial IoT and blockchain development and applications
- A young, experienced and international team with several employees and students
- Modern Workplaces

For questions and applications, please contact Mrs. Julia Junker by e-mail or phone.

(<https://ivesk.hs-offenburg.de/en/ivesk-staff>)

Institute of Reliable Embedded Systems  
and Communication Electronics (ivESK)  
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<sup>1</sup> <https://ivesk.hs-offenburg.de/en/article/iot-loesungen-fuer-sichere-lebensmittelproduktion>