

Our research energy innovation group in Germany regularly offers interesting master theses and internship projects to interested students. Together with our research and innovation staff, you will have the opportunity to work on the exciting future of mobile applications and communications technologies. Ericsson Eurolab is a major Ericsson R&D center, located in close vicinity to the historic city of Aachen, Germany, in the heart of Europe.

### **Master Thesis or Internship on 5G and Critical Infrastructures topics (f/m/d)**

Location: Herzogenrath (Aachen)

Req.ID: xxxxxx

During your time at Ericsson, you will be assigned to a research and innovation project, aligned with your individual interests, background, and skills. For Master theses, these projects are usually assigned for six to eight months. For internships, shorter assignments are possible. You will work together with experienced researchers and other students in a truly international team.

After graduating from university, the candidate will have a high chance to start their carrier in Ericsson. Once recruited as a graduate, she/he will have the opportunity to work in different product development and customer solution integration units in an inspiring and multicultural work environment with a high focus on innovations. By rotating in 1.5 to 2 years' time periods, she/he will have an opportunity to learn faster about Ericsson and get broad experience in a short period of time. Furthermore, in future years she/he will have an opportunity to take on more changeling leadership roles. The opportunity to work and stay in the Aachen area will be considered an advantage by many graduates

#### **RESPONSIBILITIES & TASKS**

You will work on topics at the forefront of technology developing and testing new concepts and related protocols, algorithms and architecture solutions for 5G radio networks and you will bring the capabilities of 5G mobile communications to bear on the challenges facing the owners of critical infrastructure and IoT application infrastructures. You will contribute to enhancing the capabilities of 5G to support leading edge vertical sector applications in laboratory and field trial settings.

You will work on exciting projects considering new uses cases in the energy and other growing IoT domains.

You will help to develop world-leading concepts and solutions for current and future wireless access networks and mobile systems which will turn the visions of the Networked Society and the Internet of Things (IoT) into reality.

#### **QUALIFICATIONS you will bring with you**

You are enrolled as a Master student in Electrical Engineering, Computer Science, or a related field with an above average record of accomplishment and have a

Strong interest in mobile communications or multimedia delivery, are

Eager to learn, self-driven and open-minded as well as very good team working skills, with  
Very good computer and programming skills, e.g. Linux, Python, Java and you have a  
Fluency in English and also potentially as well in a second language

#### APPLICATION

Applications should include a short motivation letter, a CV (in English) and a transcript of your exam results. Please mention also the position reference in your motivation letter.

The position can only be offered to students currently enrolled in a university program.

Do you believe that an organization fostering an environment of cooperation and collaboration to execute with speed creates better business value? Do you value a culture of humanness, where fact based decisions are important and our people are encouraged to speak up? Do you believe that diverse, inclusive teams drive performance and innovation? At Ericsson, we do.

We provide equal employment opportunities without regard to race, color, gender, sexual orientation, transgender status, gender identity and/or expression, marital status, pregnancy, parental status, religion, political opinion, nationality, ethnic background, social origin, social status, indigenous status, disability, age, union membership or employee representation and any other characteristic protected by local law or Ericsson's Code of Business Ethics.

**Robert Farac**  
Solution Architect

BDGS SA CNFV SD Cloud Expert Unit  
Phone: +4924075753714  
Mobile: +491735431620

[robert.farac@ericsson.com](mailto:robert.farac@ericsson.com)

Ericsson

Ericsson Allee 1  
52134, Herzogenrath  
Germany

[ericsson.com](http://ericsson.com)

