

POSTDOCTORAL RESEARCH ASSISTANT

Institute for Networked Systems (iNETS) at the RWTH Aachen University has an opening for a postdoctoral research assistant/fellow in the general area of advanced wireless networks. The preferred background and possible research topics include

- Big Data Processing of Telecommunications and Networked Data
- Machine Learning Algorithms for Communications Systems
- Performance evaluation of wireless networks
- Capacity analysis methods for complex wireless networks

The position will be initially filled for 2 years. Subject to the extension of the government funding and performance, the position may be extended for further 12 to 18 months.

The successful candidate is expected to collaborate also in externally funded research project(s), but in general the job offering is not limited to any single research project. Depending on the successful candidates background the work can involve some project management, and representing the department at the project level technical meetings.

Applicant needs to have doctorate (Ph.D.) in Electrical Engineering, Computer Engineering or Computer Science with necessary orientation and experience, in the theoretical research domain we might also consider people with appropriate background having a degree from applied mathematics or physics. Also candidates who are in the process of obtaining their Ph.D. before the end of the year may be considered to position. The preferred candidate has received degree within the last three years. The candidate should have interest to work between theoretical and practical aspects. A strong background on wireless communications, optimization and practical experimentation would be considered beneficial. Capability to present research results through articles, reports and oral talks in seminars and conferences is required. Good English knowledge is required, since the group operates in English in day-to-day working environment.

The iNETS has closely cooperating research groups lead by Prof. Petri Mähönen and Prof. Marina Petrova. The large number of on-going projects covers wide-spectrum of topics in wireless networking including many experimental and systems oriented areas. We have excellent local experimental R&D capabilities, including different mm-wave domain systems, reaching up to 90 GHz frequencies, software defined radio laboratory supporting both USRP, NI PXI, and WARP technologies, and the state of the signals processing and sensing equipment. The institute is well known on its previous systems work, especially in the domain of DSA, cognitive radios, and systems design for short-range and Wi-Fi networks. The research groups operate also their own dedicated computational cluster for large-scale simulations. The institute is located in the state of the art office building and conducts also collaboration with the high-tech industry.

This is a post doctoral, grant-funded full-time position. Salary is based to German TVL salary scale, and the successful candidate has a formal working contract as the university staff member, including all the standard German social security benefits. There is also generous reservation of funds to travel conferences to present results.

The position is available immediately. The selection process will begin upon receipt of the applications. The preference is given to applications that arrive before 15th of September. Applicants should submit their resume, a summary of their research accomplishments, research statement, and the names of at least two references to Prof. Petri Mähönen (pma@mobnets.rwth-aachen.de) and Prof. Marina Petrova (mpe@inets.rwth-aachen.de), who are also able to give further information. The position is available from 15th of October, but we are able to be flexible on the starting date.

We are equal opportunity employer. We are especially interested in to enhance number of women in our research unit, and welcome applications from female applicants.