

NEC Laboratories Europe is the European research center of NEC Corporation, a world leader in the computer and communications markets with a large world-wide base of R&D Laboratories. Top researchers from more than 20 countries develop, pilot and bring to reality technologies through open innovation.

NEC Laboratories Europe has an immediate opening for a

(Senior)Researcher for Elastic IoT Platforms

[ref: 1706-253-CSST]

We are looking for an experienced (Senior) Research Scientist to join us and develop our Internet-of-Things platform. Our work ranges from foundational research and IPR creation to prototyping towards commercial exploitation.

You will work on advanced programming models for cloud-edge systems that work under strict real-time, reliability, and scalability requirements. Your research will focus on how to control large scale execution environments to make the IoT elastic between Cloud and Edge devices.

We support individual creativity, strong teamwork as well as scientific publications. English is the working language in the Laboratories. Initially, this position is limited to two years.

NEC Laboratories Europe is located in Heidelberg - one of Germany's most beautiful and idyllic towns. The area offers a number of exciting cultural, entertainment, and outdoor activities.

Desired Skills and Experience:

- Broad knowledge of computer architecture and adaptability research
- Substantial experience in realizing complex and adaptive data processing platforms
- Deep understanding of Cloud-based processing
- Proficiency with system profiling, as well as with machine learning based decision processes
- Experiences with research for scaling systems in Clouds and edge nodes
- An excellent top-tier publication record
- Programming proficiency in Java, Python, Go
- Familiarity with software development in Clouds (OpenStack, Hadoop, SPARK, AWS) and under UNIX-based system (Linux, FreeBSD etc.)
- Knowledge about or practical experience with large scale IoT system is a plus
- Experiences with distributing compute functions between cloud and resource limited devices is a plus

We expect a Ph.D. in Computer Science/AI or related fields or an M.Sc. with equivalent experience.

Please submit or link code samples from past projects as part of your application material.

Please send your application by **15 January 2018** electronically via the applications web system <http://www.neclab.eu/jobs/> with reference to **[1706-253-CSST]**.

For questions, please contact:
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