

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 Internet-of-Things Platforms

[ref:1705-247-CSST]

We are looking for a or Senior Researcher to contribute to and drive research on maximizing the performance of Internet-of-Things platforms. Our platform will be used for Smart City and Smart Industry applications and covers devices, protocols and cloud / edge optimization. Our work ranges from foundational research and IPR creation to prototype development for transfer to NEC products and services.

Your task would be to develop new programming models for IoT data processing on the cloud and edge / fog. The target is to maximize the performance of runtime systems which implement such programming models in real-time and scale to clouds and edges.

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:

- Proven experience in maximizing data processing platform performance and scalability
- Strong publication record in top-tier conferences
- Substantial experience in validating research concepts via prototypes or deployed systems
- Broad knowledge of IoT architecture and protocols
- Understanding Edge or Fog Computing
- Record of working effectively in teams and instructing junior staff members
- Knowledge of 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

We expect a Ph.D. in Computer Science or related fields (or M.Sc. plus equivalent experience).

Please send applications by **15 January 2018** electronically via the applications web system <http://www.neclab.eu/jobs/> with reference to **[1705-247-CSST]**.

For questions, please contact:
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