

NEC Europe Ltd. is a subsidiary of NEC Corporation, a world leader in the computer and communications market with a large base of R&D Laboratories in Japan, China, USA, and Europe.

NEC Laboratories Europe has an immediate opening for a

## Research Scientist in Compiler/Interpreter Design for Networked Application Acceleration

[ref: 1709-262-SDN]

We are looking for a researcher to help us challenge the status quo in performance and scalability for networked applications. You will work on the acceleration of software systems leveraging novel hardware architectures implemented by SmartNICs and programmable network switches. If you are excited by the challenge of solving open problems in systems design, if you can think out of the box and if you are thrilled by the opportunity of building technologies that no one else can build, then you should apply.

We are an international team of researchers with different technological backgrounds and technical skills. Our research is documented by top scientific publications, impact on standard organizations, contributions to open source projects and innovative products. We strive for excellence and help each other to get there.

We work closely with NEC's business units, industrial and academic partners on both internal and international R&D projects. You are expected to write scientific papers and patents to document your progress beyond the state of the art, and to present your work at top international conferences.

NEC Laboratories in Heidelberg (Germany) provide an excellent working environment with top researchers from more than 20 countries. We support diversity, individual creativity as well as strong teamwork. English is the working language in the Laboratories.

### Desired Skills and Experience:

- Programming proficiency in modern programming languages (e.g. Python, C, Go)
- Experience in compilers and/or interpreters design and development
- Ability to write high-quality technical reports and scientific papers
- Ability to work in multi-cultural team
- Experience in runtime systems design is a plus
- Experience in programming for the Linux kernel is a plus
- Experience in programming with enhanced Berkeley Packet Filter/XDP and/or with P4 is a plus
- Experience in networking technologies and network devices architectures is a plus.

We are looking for individuals that are self-motivated, enthusiastic about their work. The ideal candidate is eager to learn continuously, welcomes and embraces challenges, and is ready to open and bring forward unforeseen technological directions.

Please send your application **by 30 November 2017** electronically via the applications web system <http://www.neclab.eu/jobs> with reference to **[1709-262-SDN]**.

### For questions, please contact:

Dr. Saverio Niccolini / General Manager  
Tel. +49-6221-4342-0 /