



NEC Laboratories Europe is the European research center of the NEC Group, a world leader in the computer and communications markets with a large world-wide base of R&D Laboratories in Japan, China, USA, and Europe.

NEC Laboratories Europe has an immediate opening for an

## Internship / Master Thesis on “System Software for Accelerators”

[ref: 2018-12-77-SML]

NEC Laboratories Europe (NLE) is looking for bright students carrying out an internship in the field of systems and High Performance Computing (HPC). This internship particularly explores system software for accelerator devices, which are essential building blocks of today's and future computing systems because of the end of Moore's law.

The internship includes following work items:

- Developing new system software for accelerator devices, such as efficient support for storage, networking and resource management
- Evaluating the developed software
- Contributing to industrial applications

NEC Laboratories in Heidelberg (Germany) provides an excellent working environment supporting individual creativity as well as strong teamwork. Our working language is English.

### Required Skills:

- A strong understanding and experience in operating systems
- Expertise in C/C++
- Experience in Kernel-level programming is a plus
- Experience in device driver programming is a plus
- Experience in design or implementation of programming language or compiler is a plus
- Familiarity with file systems or other storage systems
- Team working spirit and good communication skills in English

### Benefits:

- Excellent opportunities to obtain experience in an industrial working environment
- Opportunity to publish papers in international conferences
- Students receive common indemnification

Preferred starting date:

February 2019 (flexible)

Please send your application via the following webpage: <http://www.neclab.eu/jobs> with reference to [2018-12-77-SML].

### For questions, please contact:

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