



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. 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

# Machine Learning Research Scientist / Senior Researcher

[ref: 1902-319-DSA]

We are an international team of researchers passionate about bringing machine learning to the real world. We develop new algorithms, publish them at top scientific conferences, try them out on real problems with our customers and implement them in prototypes for NEC's future products and services.

Our current focus is the simultaneous learning of prediction/classification models and **binary structures** such as graphs to enable **multi-task and transfer learning**, as well as to improve classical (semi-) supervised learning tasks. We target applications in the transportation, retail, financial and other sectors.

We are looking for a Machine Learning (Senior) Researcher who will **develop novel algorithms** in cooperation with our team to contribute to the creation of differentiating technology with wide applicability. Your tasks will include technology area and target setting, validation in agile prototypes, support of real-world trials, transfer of technology to business units.

NEC Laboratories Europe is located in Heidelberg - one of Germany's most beautiful and idyllic towns. English is the working language in the Laboratories.

Please send your application **by March 31, 2019** electronically via the applications web system <http://www.neclab.eu/jobs> with reference to **[1902-319-DSA]**.

## Desired Skills and Experience:

- Strong **publication** record at top-tier venues (KDD, N(eur)IPS, ICML, IJCAI, AAAI preferred)
- **Broad** knowledge of machine learning paradigms including statistical machine learning as well as deep learning
- Proven results in novel algorithm design for **structured data** problems in one or more areas among multi-task, transfer/continual learning, graph convolutional nets, neural network search
- Solid **hands-on** experience in algorithm validation and refinement. Proficiency in Python. Experience with TensorFlow or PyTorch is a plus
- Strong communication and **presentation skills** to both scientific and general types of audience
- Good project planning and organization skills
- Real-world problem solving, hands-on mentality, strong **teamwork** orientation and **initiative**
- Proficiency in English. Japanese is a plus.

As a minimum, we expect a PhD in Computer Science/ML/AI, (Applied) Math or related fields. Two or more post-PhD years of experience are desired. Applicants are required to submit or link code samples from past projects.

## For questions, please contact:

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