



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 Heidelberg have an opening for a Research Scientist / Senior Researcher [ref: 1201-41-SGP]

in research on smart energy management. Work focuses on research and development for NEC internal R&D projects as well as collaborative European R&D projects with industrial and academic partners. It is expected that you drive the design and development of a distributed energy control platform that can be used for energy management solutions for the power grid. Participation in project acquisition activities as well as in collaboration with industrial and R&D partners are expected.

We are looking for experienced individuals with a broad background in distributed systems, communications software engineering and power engineering. A good understanding and experience in several of the following areas is required:

- Smart grids and energy control systems
- Building automation
- Electrical energy storage systems incl. batteries
- Specification, design and implementation of complex distributed software systems, incl. particular real-time-systems
- Complex event processing and control algorithms, including their design and simulation
- English communications skills to effectively contribute to an international team and to related standardization activities in IT and Smart Grids
- Software development processes and tools: Object-oriented software design, development and testing, including C/C++/Java, OSGi, Web-Scripting languages

We expect a Master of Science or PhD Degree in computer science, electrical or power engineering, or similar qualifications. Professional experience in the area of smart grids would be a definite advantage.

NEC Laboratories Europe in Heidelberg provide an excellent working environment supporting individual creativity as well as strong teamwork. The project team is based in Heidelberg (Germany). English is the working language in the Laboratories. Initially, the position is limited to two years. Please send applications by e-mail **not later than Feb 15, 2012 with reference to [1201-41-SGP]** to

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