The Netherlands eScience Center is looking for a Senior data management researcher

The Netherlands eScience Center (NLeSC) supports and reinforces multidisciplinary, data and computational intensive research through creative and innovative use of ICT in all its manifestations. We stimulate enhanced Science (eScience) by focusing on collaboration with universities, research institutions and industry. We aim to change scientific practice by making large-scale data analysis possible across multiple scientific disciplines.

The people working at NLeSC are digital scientists able to work at the interface of a scientific discipline and enhanced ICT. They are (mostly) scientists that hold a PhD and that have a history of developing and applying scientific ICT approaches within research domains. They are also interested in sharing their knowledge and experience outside their domains.

We stimulate creative data-driven research across all scientific disciplines by developing and providing eScience tools and promoting knowledge-based collaboration between researchers. In this way we create an effective bridge between science and state-of-the-art ICT. We are looking for a:

**Senior data management researcher (m/f)**

**The position:**

Almost all scientific disciplines currently struggle with a data explosion. Novel instruments, simulations, and combining data from different sources, lead to data management challenges on an unprecedented scale.

As a senior data management researcher, you advise scientists on large-scale data management, perform research on applied large-scale data management (including writing proposals for externally funded grants), implement data management solutions across scientific disciplines, promote the NLeSC, lead research projects and/or coordinate a team of eScience research engineers. The successful candidate has a broad vision on data management, which can include real-time data analysis, database optimization, data-interoperability, combining structured and unstructured data, distributed sensor networks and database systems.

You will operate in a scientific environment. You will be responsible for the translation of scientific questions into solutions that effectively apply advanced ICT technologies and for promoting the use of eScience technologies. You will develop methodologies, applications and high quality software and ensure that these can be used easily by scientists within a coordinated eScience infrastructure. You will work closely with other scientists both within NLeSC and its partner organisations. With your colleagues you work as a close team, creatively combining and sharing knowledge between projects. It is likely that you will work part time at NLeSC and part time at a university or research institute participating in collaborative projects. We are looking for a data management researcher who has a broad interest, and who can work with several different scientific disciplines.

**We require:**

- PhD degree in Computer Science or equivalent direction;
- Experience with the use of scientific ICT;
- Demonstrable experience with large scale data management;
- Experience with managing projects and leading teams;
- Experience with writing grant proposals;
- Excellent research experience shown by publication record in peer-reviewed scientific literature, coaching young scientists and granted research proposals;
- Excellent command of English (both verbal and written);
- Experience with software development (Java, C, C++, and/or Python);
- Knowledge of RDF, NetCDF, XNAT, MapReduce, Oracle, MySQL, Postgres, MonetDB, and/or ElasticSearch is a pre.

**Competences:**

- A critical and constructive attitude to contribute actively to eScience infrastructure improvements;
• Networking, flexible (no 9-to-5 mentality), creative, initiative taking, independent but also a real team player;
• Strong communication skills with an external orientation;
• Innovative: translate scientific questions into unconventional (technological) solutions and new ideas and also able to realize them.

Working conditions:

We offer a position at NLeSC in the first instance for a fixed period of 2 years within the collective agreement for Research Institutes. Classification is based on education and experience with salary depending on qualifications and experience, starting from € 4.047,- up to € 5.204, - gross per month, with a 38-hour working week (salary scale 12). We offer holiday pay amounts to 8% of gross salary actually received and a full 13th month of salary as an end-of-year payment.

Information:

NLeSC offers an interesting and challenging position at the interface of science and ICT. You will work in an international team with an informal but creative and ambitious working environment. The location is Amsterdam (Science Park), but site work at NLeSC collaborating organizations is an important part of your work and may involve travelling.

For more information about this opportunity, you can contact Rob van Nieuwpoort, Director eScience Technology, by emailing r.vannieuwpoort@esciencecenter.nl or by calling +31(0)20- 4604770. Please send your resume and application letter before the 1st of March 2015 via vacancy@esciencecenter.nl. Additional information may also be found at www.esciencecenter.nl.