

SICS North in Luleå is looking for a Head of research and researchers in Data Center Technologies

We are looking for a research lead and researchers with academic and industrial experience to develop, demonstrate and evaluate methods, technologies and applications for data center technologies. Our approach is integrated innovation where we help customers create new or improved products and services based on the research and knowledge that our experts have built up.

Within SICS North we work with applied research in Big data, cloud- and data-center industries and you would be a part of a group with Sweden's most cutting edge datacenter team. We have our own unique 200 kW data center facility for experimentation and application. You will be able to continually enhance your skills and learn more in new areas. We are looking for someone who wants to transform research results into innovation and usage that simplify and contribute to a better and sustainable world.

Your work will consist of research, development and implementation of operation, monitoring, optimization and improvements of data center technologies. It can include: new methods for cooling the servers and heat recovery, integration between the data center and smart grid or holistic monitoring and automation of data centers. The work includes the modeling of systems of systems, and interoperability of different systems in the data center. As part of the work, you will also plan and conduct trials and other experimental activities.

We want you to:

- have a PhD in data center, energy systems, power electronics, automation, computer engineering, operations & maintenance engineering control, or a related area along with a few years' experience after graduation.
- alternatively have at least ten years of experience in advanced development in relevant areas, such as: data center design and construction, operation and optimization of data centers or the development of technologies and products for the data center, for example, cooling, air flow, energy recovery, DCIM, UPS or power distribution.
- have experience in prototype development, system development and simulation methods
- have experience in customer relations, project management and application writing to various funding agencies.
- have worked closely with industry and have your own network of contacts in the data center industry.
- have extensive experience in the publication of research in academic journals and conferences.

SICS North is a flat organization with about 10 employees, where we strive for an open, friendly and strong results-oriented culture. We work closely with researchers at Luleå University of Technology and 60+ industry partners.

The Board of Directors includes Ericsson, Vattenfall, ABB, LTU and Facebook among others.

To enjoy working with us, we believe you are self-driven and like to work in great freedom. It is natural for you to walk an extra mile when necessary and make a best effort to deliver what you promise. You have a positive attitude and are modest, but also know what you want and can do. Because we work in a global market, it is essential that you have good skills in English and Swedish in both speech and writing.

SICS North is a new and growing industry research institute which has the task of contributing to Swedish industry's innovation and growth based on research in advanced information and communication technology and its supporting technologies. Our results are published in academic publications of international excellence. Funding for our research comes from both customers and public financiers. It is therefore important that you can communicate the benefits of our research, both internally and externally.

Please submit your application and CV to marie.edlund@sics.se

We accept applications and interview on an ongoing basis, contact Marie Edlund, HR 070 475 60 53