



You probably think of SKF as the world leader in rolling bearings? Then you are right, because we are. Our high quality bearings have made us one of the most respected brands in the industrial world. But this is a limited picture of us. There are many other exciting dimensions to today's SKF. We have step by step evolved into a genuine knowledge engineering company. To strengthen this process, we have identified five different platforms that cover our technical knowledge and capabilities: Bearings and units, Seals, Mechatronics, Lubrication systems and Services.

The SKF Engineering Research Centre is the Group's central product R&D facility. It is located in Nieuwegein, the Netherlands, and has employees of many nationalities. As an employee of ERC, you are (in) the heart of our technology development activities that support SKF's business strategy and working in close co-operation with the operational units in the business.

If you are challenged by the idea of developing your and SKF's knowledge, you are welcome to join us as a

Research Engineer in Applied Artificial Intelligence

Together with other engineers you will focus on the technical aspects of knowledge management. We encapsulate R&D knowledge from Tribology and Lubrication, Materials Science, Mechatronics and Test Technology in knowledge tools. These tools are developed using SKF experts' knowledge, bearing applications rules and available (measured) data and complement the Modeling and Simulation tools.

Examples of knowledge tools are: BearingSelect, LubeSelect, Bearing Inspector, AskERC, models based on Artificial Neural Network, Genetic Programming, machine learning and other computational intelligence techniques.

Job profile:

The candidate needs to have good academic credentials in the area of computer science, knowledge technology, engineering, mathematics or related discipline and possess a scientific spirit suitable to apply artificial intelligence techniques in practical engineering applications. She/he will work closely with the domain scientific experts in order to establish relationships between complex, observed phenomena and their physical explanation.

The candidate is expected to master AI technologies such as: neural networks, evolutionary algorithms, genetic programming, clustering and classification and other machine learning techniques. Knowledge of scientific and commercial AI tools and good programming skills in Matlab, Mathcad or similar simulation packages is essential.

High social competence and an ambitious attitude towards personal and professional growth will be crucial elements to ensure a successful, long-term scientific career.

Your profile:

- You have a PhD or Master degree with three to five years experience, in Physics, Mathematics, Computer Science, Mechatronics, Structural Engineering, Civil Engineering, or similar;
- You have the competence to carry out research and development tasks in the area of artificial intelligence applied to various engineering problems;
- You have the competence to build data-driven models in the areas of material science, tribology, lubrication, test technology, mechatronics together with the domain experts;
- You have the ability to use computer simulation tools to solve problems in the areas listed above (Neural network toolkit, Matlab, global optimization, signal processing, intelligent data analysis and other machine learning techniques);
- You have an explorative mind-set with an innovative scientific approach;
- You are a self-motivated, pro-active team worker. You are customer-focused and result oriented;
- You have excellent communication skills and a good command of the English language.



Our offer:

We offer you the opportunity to work in an innovative and well-equipped R&D environment, which is part of a large, successful company with an excellent reputation. You will join a team of well-motivated colleagues and have a lot of international contacts. You will travel and can work abroad on short assignments. We look forward to see you develop as a professional who creates a career in SKF and we will support your steps. Of course, our employment conditions are competitive.

Interested?

If you are interested and meet the above requirements please send your application, including curriculum vitae and motivation letter to RecruitmentNL@skf.com.

For additional information you may contact Mr. Martin Waaijer, Manager Technology & Integration, via telephone: +31 (0)306075698 or +31 (0)651267701.