



Job Description

# Distinguished William Chalmers Professor in Health Engineering

April 2026





# Distinguished William Chalmers Professor in Health Engineering

Chalmers University of Technology invites applications for a permanent position as Distinguished Professor in Health Engineering. This strategic recruitment aims to strengthen Chalmers' international leadership at the intersection of engineering, life sciences, and medicine—addressing major challenges related to health, wellbeing, and the transformation of healthcare systems. The professorship in Health Engineering has been made possible thanks to the generous support of the Stena Foundation.



**Sten A Olsson Foundation for  
Research and Culture**

Chalmers is a globally recognised technical university with a strong track record of academic excellence and close collaboration with industry, healthcare, and society. As a Distinguished Professor, you will play a key role in shaping the long-term development of [health engineering at Chalmers](#), through internationally leading research, academic leadership, and cross-disciplinary collaboration.

This position is central to Chalmers' ambition to take greater responsibility for societal development through education, research, and innovation. The successful candidate is expected to contribute with a clear scientific vision and the ability to translate research excellence into real-world impact.

## About the Gothenburg Life Science ecosystem

The Gothenburg region offers a uniquely strong and integrated life science environment, where Chalmers, the Sahlgrenska Academy at the University of Gothenburg, and Sahlgrenska University Hospital form a closely connected ecosystem.

In areas such as precision medicine and data-driven life sciences, this ecosystem combines internationally competitive research with advanced infrastructure, including [SciLifeLab](#), and close collaboration with healthcare and industry. There are well-established strengths in areas such as cardiovascular and metabolic diseases, cancer, infections, and nutrition, supported by extensive joint projects, shared infrastructure, and mobility of researchers and students.

Chalmers is also a core partner in the [Health Engineering Alliance](#), together with the Sahlgrenska Academy, the Faculty of Science and Technology at the University of Gothenburg, and Sahlgrenska University Hospital—further strengthening the integration of engineering, life sciences, and clinical practice. Further information about research infrastructure at Chalmers can be found [here](#).

We are seeking an internationally leading scholar with the ability to shape research directions and build strong, sustainable environments at the interface of engineering and health.



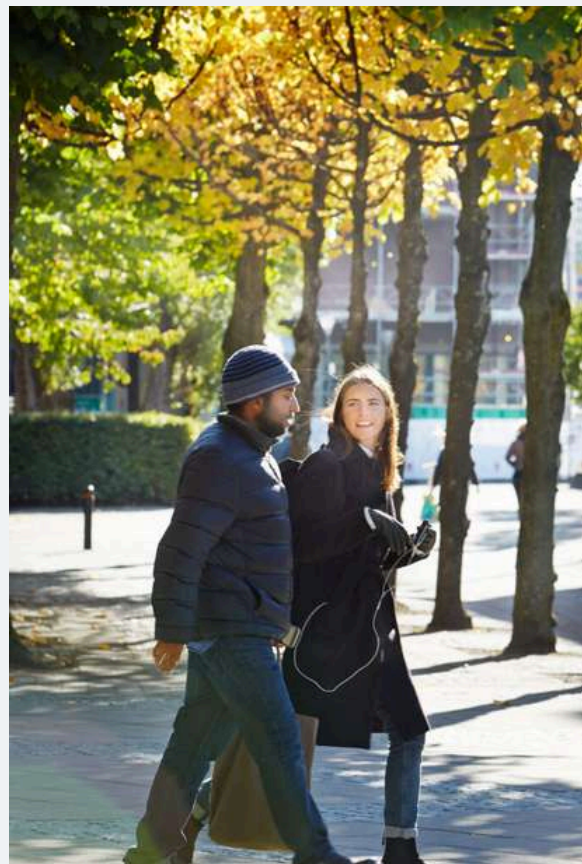
# Your Responsibilities

As a Distinguished Professor at Chalmers, you are expected to:

- Lead and conduct research of the highest international quality, contributing significantly to the advancement of health engineering.
  - Provide strategic academic leadership, including shaping research agendas and fostering strong, sustainable research environments.
  - Supervise doctoral students and contribute to the development of postgraduate education.
  - Teach and develop courses at undergraduate, master's, and doctoral levels, and actively integrate research and education.
  - Secure substantial external research funding and lead large-scale national and international research initiatives.
- Establish and strengthen collaborations with academia, healthcare organisations, industry, and other societal actors.
  - Contribute to the national and international visibility and reputation of Chalmers within health engineering.
  - Engage in academic citizenship through leadership roles, committees, mentoring, and outreach activities.

Distinguished Professors are recognised international leaders who take an active role in shaping Chalmers' long-term academic direction and fostering interdisciplinary collaboration across organisational boundaries.

The position is expected to contribute to the development of health engineering across Chalmers, including collaboration with clinical, biomedical, and life science partners.





# Qualifications and Merits

To be qualified for the position, the applicant must have:

- A doctoral degree and demonstrated academic excellence within a field relevant to health engineering.
- An outstanding scientific track record, evidenced by high-quality publications and significant research contributions of international relevance.
- A strong and sustained international research profile and recognised academic leadership.
- Documented experience of initiating, leading, and developing successful research environments.
- Proven ability to secure substantial external research funding in competitive national and international contexts.
- Demonstrated excellence in teaching and supervision at undergraduate, master's, and doctoral levels.
- Strong ability to collaborate across disciplinary boundaries and with partners outside academia.

## **Additional merits include:**

- Experience of leading large-scale research initiatives or centres.
- Contributions to innovation, utilisation, or translation of research into societal or healthcare impact.

- Experience of academic leadership roles, such as programme direction, centre leadership, or strategic advisory roles.
- International recognition, for example through invited talks, awards, editorial assignments, or service in international organisations.

## **Areas of Expertise**

Chalmers is seeking a candidate with an internationally leading profile and a demonstrated ability to shape research directions at institutional or field level. We welcome candidates with expertise in health engineering, including areas such as:

- Precision health and data-driven medicine
- Advanced biomedical technologies and systems
- Digital health, AI, and data-driven methods for healthcare
- Systems approaches integrating engineering, biology, and clinical practice

Candidates whose work complements or extends these areas and contributes to the strategic development of health engineering at Chalmers are strongly encouraged to apply.



# What We Offer

This is a permanent, full-time faculty position as Distinguished Professor at Chalmers University of Technology, located in Gothenburg, Sweden. The appointment is subject to the regulations governing public employment in Sweden and includes the responsibilities and benefits associated with a senior academic position.

Read more about **Chalmers as an employer** and our **employee benefits**. Learn more about life in Gothenburg and Sweden's family-friendly policies, including generous parental leave, subsidized childcare, free education, and universal healthcare, at **Move To Gothenburg**.

Chalmers promotes gender balance and actively works with equality and inclusion initiatives, such as **the GENIE Initiative for gender equality and excellence**.



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