



# Halmstad University

The Innovation Driven University









*"new ideas through encounters"*

# New Knowledge for a Better World

**A**t Halmstad University, we want to find new ways to make a better world. Through knowledge, innovation and collaboration, we want to strengthen both the individual and society – as we believe this is how future challenges must be faced. Our research and education play an active role in society and are characterised by innovation and cross-boundary collaboration.

The world faces major challenges in the future – economic, social and environmental. Meeting these challenges requires knowledge. Halmstad University conducts research and education to help us better understand the world and the society in which we live. Therefore, we are not only looking for the answers – but also for new questions to ask.

Halmstad University has always been characterised by new ways of thinking and innovation. At Halmstad University, researchers are working across field boundaries to develop the

knowledge required to solve challenging problems. We have unique and interdisciplinary education programmes, many of which are developed in collaboration with representatives from the public sector.

New ideas come to life through encounters between different competencies, ideas and experiences. Therefore, interaction is a vital part of our soul. It is through partnership with businesses, organisations and the public sector that we develop and can disseminate knowledge and innovations. We also cherish our collaborations with other educational institutions, in Sweden and abroad. Contact with the outside world is a prerequisite for all our activities.

We strive for students, teachers and researchers working in an environment where the individual is allowed to develop, and where our differences are seen as strengths. Together we can contribute to social progress and making a better world.



## Three **Key Areas of Focus**

**Halmstad University** conducts education and research in a wide area, such as in **Engineering, Nursing, Humanities, Health, Social Sciences, Education, Natural Sciences and Economy.** We have three key areas where we are particularly strong and where we conduct research and education at **Master Level and PhD level:**

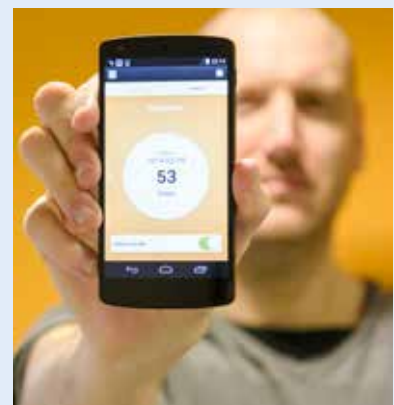
**Information Technology** makes new progress possible within large areas of natural science and technology, such as biomechanics, traffic and transport, environment, energy, health, and communication. Our research on embedded and intelligent systems is something we are particularly known for, even internationally.

**Innovation Science** includes, amongst other things, entrepreneurship, innovation, social changes, environment, and leadership. The focus is on the development of activities in which technological, environmental and social perspectives are all combined.

**Health Sciences** focuses on people's quality of life. This implies not only welfare and lifestyle, but also culture, education and learning, sport, nursing, and healthcare.

## New Ideas Put Into Action

We are actively working to take full advantage of the creativity and resourcefulness created at the University. Students and researchers can further develop their ideas for new services. The University also supports innovation and entrepreneurship through our student incubator High Five Student, career guidance and scholarships.





# Digital Laboratory Centre – DLC

Through Digital Laboratory Centre – DLC – Halmstad University is taking a step further in meeting digital development by creating a strong, high-tech, digital environment for research, education, and development with a focus on teaching, pedagogical approaches, and culture. DLC is aimed at assisting researchers, teachers, students, organisations as well as companies, and aims at becoming a regional meeting place at the forefront of the digital society. DLC has all the latest equipment in visualisation, simulation, and design – technology that allows possibilities, in new and visual ways, to convey complex or abstract information.



## Creativity Blossoms at the Annual Graduation Exhibition

One of the University's annual highlights is Utxepo. It is a three-day trade show where hundreds of students, particularly those in science and engineering programmes, show off their graduation projects. Visitors can take part of many exciting innovations and creative solutions where scholarships, worth hundreds of thousands of SEK, are awarded to the University's most talented students.



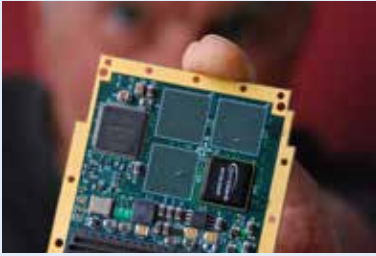
## In Fab Lab We Create Future Sustainable Innovations

Halmstad University has its own Fab Lab, a Fabrication Laboratory which is a concept developed at Massachusetts Institute of Technology, MIT, in the US. Fab Lab has the latest equipment within 3D and is a prototype workshop whose main idea is openness and collaboration according to the maker movement model. Fab Lab is primarily a resource for the University's education and research, but business and collaboration partners – and the public – also have access to the lab.



## Information and Appointments in the University Library

The University Library is an important resource for the University's education programmes and research. It has, apart from all the course literature, a large amount of electronic databases, information services, literature required for specialisation and magazines. You can also find quiet places for study here and receive professional help in your search for information.



## Fertile Ground for Entrepreneurship

Many successful companies have seen the light of day thanks to Halmstad University. Nearly 100 companies in Halmstad have been started by former students; sometimes while still a student, thanks to their graduation project. The most famous example is HMS, which today is a world leading electronics company with 350 employees, and can be found in ten different countries. Other examples are Comfort Audio, Delta and Phoniro.



## Honorary Doctors

Halmstad University has awarded three Honorary Doctors who in different ways have contributed to the University's development. Jan Einar Blomqvist, who laid the foundation for the programme of Innovation Engineering, was appointed in 2011. Second Honorary Doctor is Nicolas Hassbjer, a successful entrepreneur and former student. In 2013, it was time for Maj-Britt Sandlund, a former county councillor, who in the 70s was one of the driving forces behind getting higher education in the county of Halland.



## Sports Centre and Laboratories for Physical Education

At Halmstad University, high quality research and education is conducted in the field of physical education and health. Therefore, there are good opportunities to combine both theoretical work and practical exercise. Several superbly equipped laboratories are available and are used for research and education. In the University sports centre is a large sports hall with climbing wall, gym, spinning and aerobics rooms.





## Health Innovation for Future Welfare

Health Innovation is a multidisciplinary theme and is a major consensus in the University's research, education and the application of activities. The outset is that the future of health innovation requires expertise from various fields; such as: Engineering, Finance, Healthcare, Health, Education, and Biomechanics, just to name a few. In several of the University's courses, students have the opportunity to supplement their education with a health innovation theme. The Centre for Health Technology Halland at the University is a project workshop where ideas are developed and where research within this field is put to use.



### HALMSTAD UNIVERSITY IN FIGURES

**9 608** students

**611** employees

**53** Professors

**95** PhD students

**65** programmes

**120** independent courses







*"combining subjects in new ways"*

# Education for the Challenges that the Future Holds

**W**hat makes Halmstad University's education programmes so special is that they are characterised by innovation and good collaboration with the community and the public sector. Students leave with knowledge that extends across traditional subject boundaries – and is in demand in the public sector.

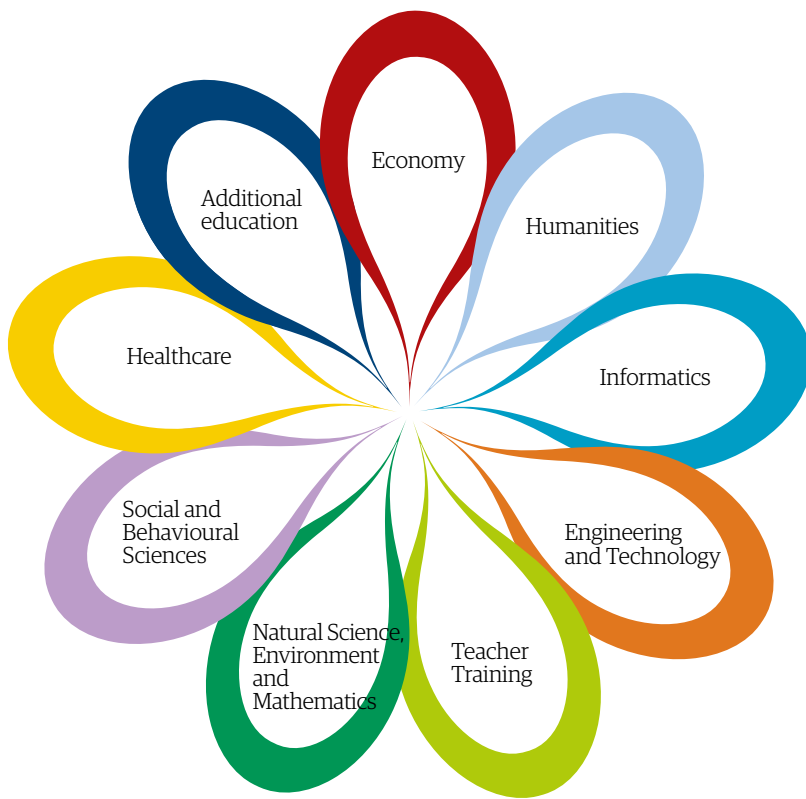
It is easy to be happy at Halmstad University, and one of the reasons is the close and valuable contact between students, teachers and researchers. The distance is never great between subject areas, or between the University and other areas of society. The fact that Halmstad University is a small and relatively young institution does its bit too – as there are no high thresholds or long traditions to take into consideration.

At the University, we combine subject areas in new and exciting ways; something that characterises many of our programmes. This may, for example, involve combining knowledge of the human body with modern technology – in order to develop products to improve our health. It may also involve the integration of political science and communication, which provide new tools to address future societal changes.

Education programmes at Halmstad University have strong links to research, and our researchers are actively involved in teaching. This means that students are getting the latest knowledge in the respective subjects. Some students also contribute to research by linking their degree project to major research projects conducted at the University.

Collaboration with the community is the common theme when it comes to the University's educational programmes. This may involve, for example, internships, sponsorship or degree projects in collaboration with clients/employers from outside the University. For students, it provides the possibility to connect the theoretical studies to a working environment. For employers, it's a way to get access to the University's expertise and contacts with the future workforce.

Our work has always been characterised by innovation and new ways of thinking. Many of our educational programmes/courses are designed to help students become used to managing projects, make use of their own incentives and to think beyond the boundaries.



At Halmstad University, there are some **65 programmes** and approximately **120 independent courses** in several subject areas.



## Unique Programmes Attract

The most common reasons students choose to study at Halmstad University are the uniqueness of the educational programmes and the city of Halmstad, which attracts. This is according to a survey among University students (recruitment survey 2016). The most popular programmes are the Nursing Programme, the Pre-School Teacher Education, and the Construction and Real Estate Business Programme.



## Generous Scholarships to Students

Every year, students from Halmstad University have the opportunity for financial help, thanks to scholarships. The largest is the Fähré Scholarship where a total of around half a million SEK is annually awarded to students in Engineering programmes. Other examples are the Swedish Trade scholarships for students studying Economics and Halmstad Municipality's scholarships for essays in the field of functional disability.





# BEST IN SWEDEN

## WHEN IT COMES TO COLLABORATION

Halmstad University's courses are among the best in the country when it comes to collaboration with industry and commerce. According to the ranking by Swedish industry and commerce, Halmstad University is – year after year – among the top ranked educational institutions when it comes to collaboration. The latest ranking showed, for example, that the Pre-School Teacher Education conducted at Halmstad University is the best in Sweden at collaboration in its field.



### Career and Well-Being

We work intensively at the University to make sure our students feel good about themselves and receive the support they need to succeed in their studies and future lives.

Our study and career counsellors provide support when it is time to choose an education or plan your studies. As a student, you can take part in workshops and lectures on study techniques and how to prepare for your career after your time at the University.

The Student Healthcare Centre works with health and study situation. In addition to an open reception, courses and activities are arranged. The University also provides personalised support for students with disabilities and offers students help with writing.



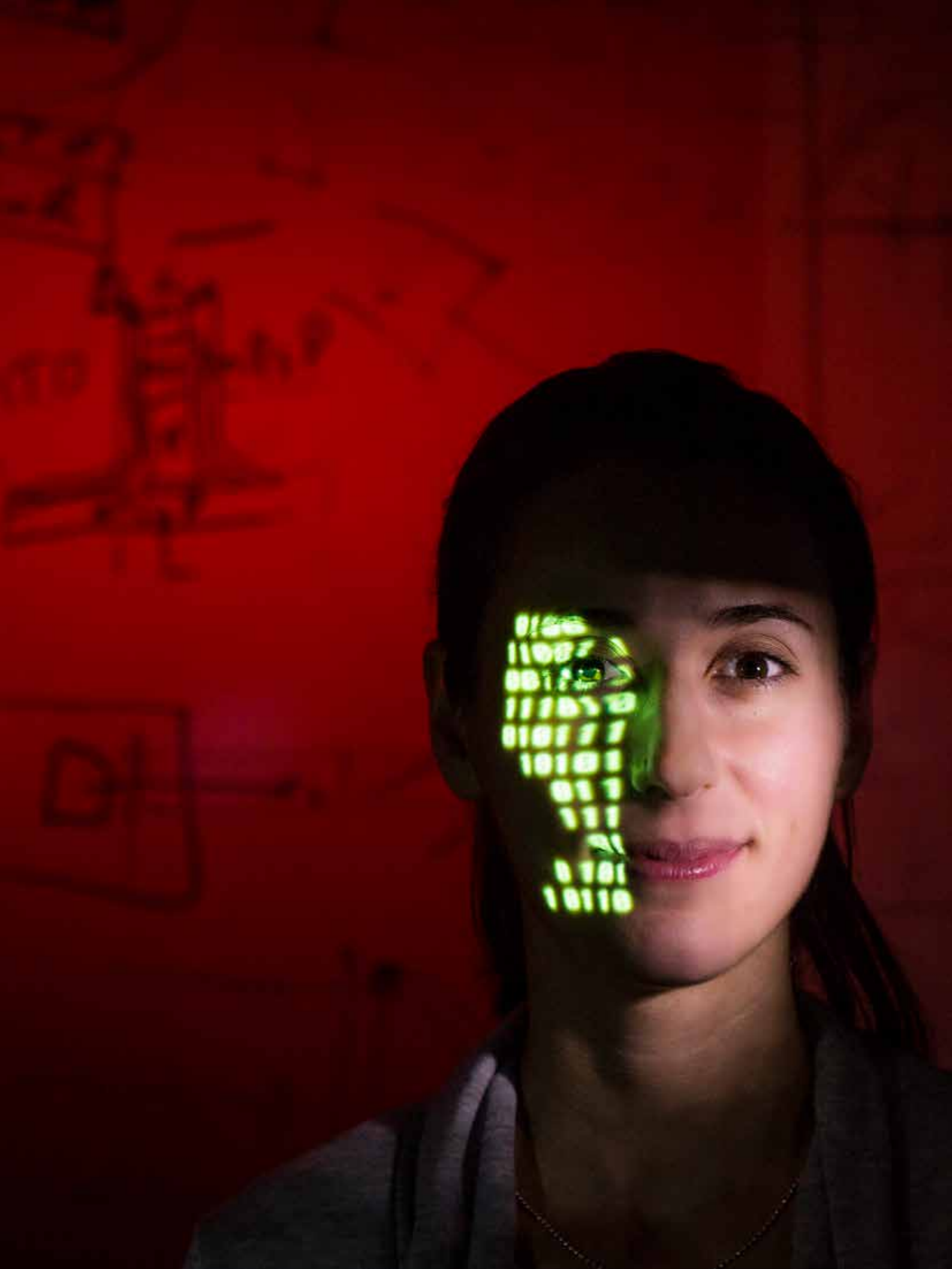
### Educating Engineers and Economists

The University has the right to educate engineers and economists. In the autumn of 2014, the Computer Science and Engineering programme was started, and planning is also taking place to start an Engineering programme specialising in Industrial Innovation. The University has a Business and Economics programme.

### International Environment

Many of the students at Halmstad University choose to study a part of their degree abroad. The University has exchange agreements with some 50 countries worldwide. Similarly, international students choose to study in Halmstad; therefore, an international presence on campus is highly evident.









*"crossing boundaries"*

# Research for Innovation

**H**almstad University has research in three key areas of focus: Information Technology, Innovation Science and Health Sciences. The research contributes to the general development of knowledge in society and provides a research basis to undergraduate education.

Research work at Halmstad University is characterised by the ability to cross boundaries, i.e. researchers from different fields work together to find new ways to understand and solve complex problems. One example is the research field of health innovation, where knowledge in areas such as technology, health, education, and healthcare is combined in exciting, new ways.

Halmstad University has a tradition of practical applied research, which is conducted in

close contact with industry and commerce, organisations and the public sector. It provides researchers with ideas for interesting research issues and real problems. This way, research will naturally come to use.

Many research projects are also done in collaboration with other educational institutions – both nationally and internationally. Halmstad University is recruiting distinguished researchers from different parts of the world; therefore, our research environment is very international.

Results and findings from the research will be useful and benefit society in many different ways. There may be new methods in nursing and health; problem solving leading to new commercial products or even new knowledge that will help us preserve our environment.

## THE KNOWLEDGE FOUNDATION – ENVIRONMENT: RESEARCH FOR INNOVATION

Halmstad University is one of four universities in the country that has been appointed a so-called Knowledge Foundation – Environment, which was granted by the Swedish financier for universities (Swedish: KK-stiftelse). This means that the foundation, on a long-term basis, invests in the University's research within the University's key areas. Crucial to all research projects within the Knowledge Foundation – Environment is the collaboration with business and commerce, known as co-production. This usually means that companies are engaged in research projects together with the University's researchers and account for part of the financing.



### Postgraduate Education

Halmstad University has three key areas when conducting postgraduate education: Information Technology, Innovation Sciences, and Health Sciences. This means that we can award degrees to postgraduate level. We are the only university in the country with the right to award PhDs in Innovation Sciences. At present there are some 70 PhD students within these three key areas at the University.



### Academic Ceremonies

Halmstad University celebrates regular academic ceremonies, e.g. the inauguration of new Professors, as well as the conferment of doctoral degrees. The University celebrated its first academic ceremony in 1998. Since then some 60 Professors have been inaugurated at Halmstad University. Today there are approximately 50 Professors within different research fields working at the University.



### Where Does the Money Come From?

Research at Halmstad University had – in 2016 – a turnover of SEK 144 million. Approximately half of the money that finances the University research is external grants from funding agencies, industry and commerce. The biggest funders are the Knowledge Foundation (“KK-stiftelsen”) and Vinnova (Sweden’s innovation agency).





## Research Areas

The University's research is organised in research environments. Within the environments, researchers focus on common research fields. In short, research is conducted in the following areas:

Innovation, Entrepreneurship and Learning

Welfare, Health and Sport

Embedded Intelligent Systems

Applied Sciences

Learning, Culture and Social Sciences



### Electronics Centre - ECH

ECH – Electronics Centre Halmstad is an arena for innovation in the field of electronics and offers resources like an advanced electronic laboratory, prototyping facilities and EMC testing facilities. ECH was created by the University in collaboration with regional companies and is a venue for innovation, education and research. The research focuses on embedded systems and hardware for the Internet of Things.



The University Campus area is called the Bærtling Quarter after Halmstad born artist Olle Bærtling, whose art adorns the campus.



Visiting address: Kristian IV:s väg 3  
P O Box 823, SE-301 18 Halmstad, Sweden  
Telephone: +46 35 16 71 00  
Email: [registrator@hh.se](mailto:registrator@hh.se)  
[www.hh.se](http://www.hh.se)

Follow us in social media!



[twitter.com/hogskolan](https://twitter.com/hogskolan)



[facebook.com/hogskolanihalmstad](https://facebook.com/hogskolanihalmstad)



[instagram: @hogskolanihalmstad](https://instagram.com/@hogskolanihalmstad)