MASTER'S PROGRAMME

HUMAN – ROBOT INTERACTION 120/60 ECTS

Robots are becoming increasingly common and have moved out of an industry setting into everyday use. Robots mow our lawns, do vacuum cleaning, transport beds in hospitals and keep us company from time to time. The fourth industrial revolution is taking place, and it can be observed in digital, smart factories where humans and robots are collaborating. As robots are increasingly becoming a part of the society, there is a need for more knowledge about the unique interactions between humans and robots for a number of applications. At the Master Programme Human-Robot Interaction, you will learn how we humans can work and interact with various types of robots in an effective and sustainable way.

- *There is a strong demand for people with advanced knowledge and skills in Human-Robot Interaction.*

- *You will have access to a variety of social and collaborative robots in our own robot lab.*

- *The programme is strongly related to research projects at the university, and offers collaboration with industry companies and other organisations.*

The digitalisation of our society is happening fast, and it is creating a new playing field for both our personal and professional lives. The current trend is that social robots will spread in a way similar to personal computers and mobile phones during the last 20 years, and in the industries of the future robots are likely to be your work colleagues.
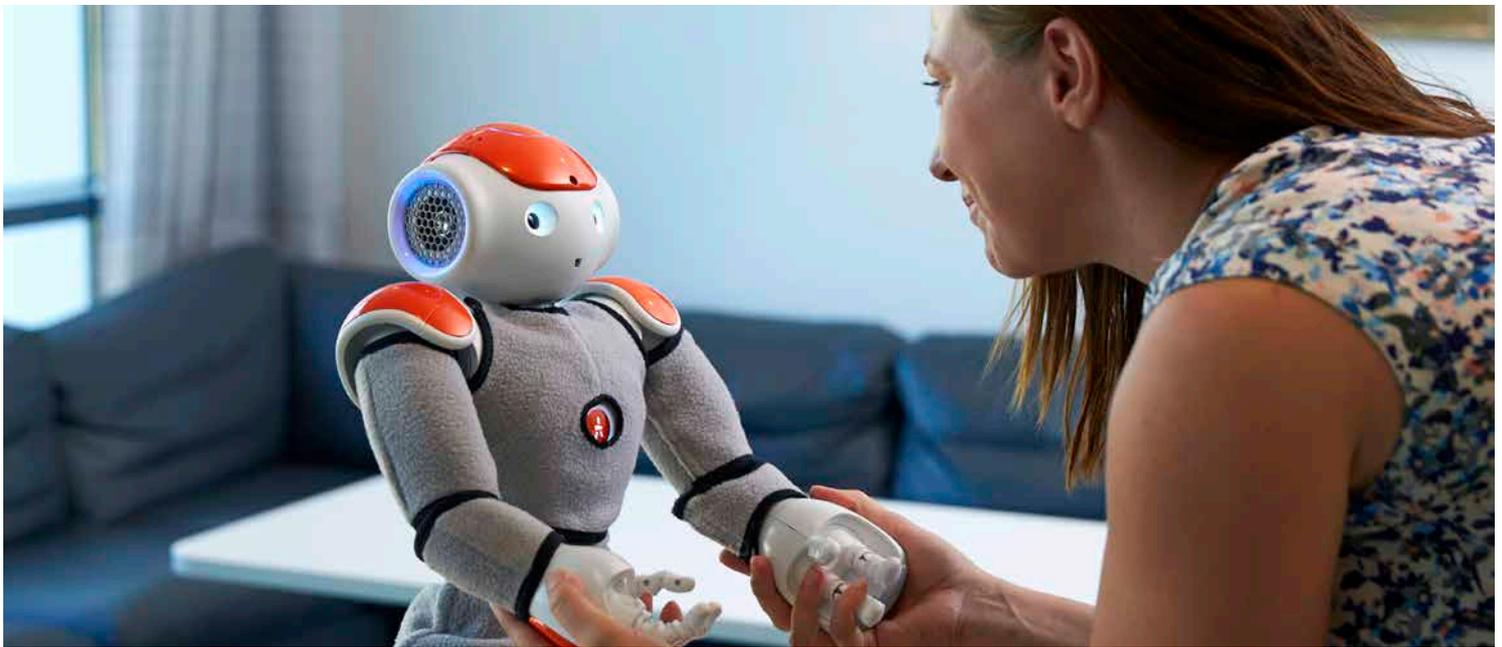
This is a unique study programme, as it not only provides knowledge in interaction design and robotics, but also focuses on the design and the evaluation of the interaction between humans and robots. You will gain knowledge and skills about the human-robot interaction from a human perspective, our conditions and limitations, and the requirements and needs we place on a robot. This aims at creating robots that we feel are safe, natural and comfortable for us humans to interact with. You will have access to a variety of social and collaborative robots in our own robot lab.

THE FOCUS OF YOUR STUDIES

The programme provides you with comprehensive knowledge in psychology, interaction design, informatics and robotics. You will take courses in industrial ergonomics, technical leadership and scientific methodology.

During the programme, you will learn about current research and development in the field of human-robot interactions and use the robot lab. A majority of the teachers in the programme have experience in human-robot interaction research and are working on ground-breaking projects thus exposing students to the latest trends in this important and exciting area.

Representatives from companies and other partners add case studies to the curriculum, and some courses will be conducted in collaboration with industry companies and other organisations.

UPON COMPLETION OF YOUR STUDIES

There is a large need for people who have knowledge and skills in the field of robot-human interactions, who can develop new application fields for robots, for example in the manufacturing industry, health care and other robot-like applications.

After completing your degree, you will also be eligible for post graduate studies in Informatics.

ADMISSION REQUIREMENTS

Applicants must have a Bachelor degree of at least 180 higher education credits (equivalent to 180 ECTS) within the fields of Informatics, Interaction Design, Cognitive Science, Automation Engineering, Industrial Engineering or Product Design Engineering (or similar). A further requirement is proof of skills in English equivalent of studies at upper secondary level in Sweden, known as English course 6 / English course B. This is normally demonstrated by means of an internationally recognized test, e g IELTS, TOEFL or the equivalent.

Some applicants are exempted from providing test scores, e.g. if their degree is from a university that has English as the only language of instruction. Please read more at **www.universityadmissions.se**.

HOW TO APPLY

You are welcome to apply directly to our study programmes at **www.universityadmissions.se** the national Swedish application service, where you can find all necessary information regarding programmes, applications and processes. Applications are submitted directly on the web. At **universityadmissions.se** you can also keep track on your application, see that all credentials have arrived etc. National students can also apply via **antagning.se**.

APPLICATION DEADLINE

■ Autumn admission round: 15 January

FEES

Students who are citizens of a country within the EU/EEA or Switzerland do not have to pay any application or tuition fees to study in Sweden. Students from outside the EU/EEA area have to pay application and tuition fees for studying in Sweden, according to a decision taken by the Swedish Parliament. The students who are liable to pay for their studies in Sweden have to pay an application fee of 900 SEK (Swedish kronor) for the application to be processed, according to the instructions available on the website **www.universityadmissions.se**.

The international programmes available at the moment cost 130 000 SEK per academic year (60 ECTS). The tuition fee will be charged by the University of Skövde in advance of each semester (65 000 SEK/semester).

SCHOLARSHIPS

The University of Skövde offers a number of scholarships to students who are attending an international master's programme at the University and who are liable for tuition fees. Find out more information at **www.his.se/scholarships**.

FURTHER INFORMATION

For complete information please visit our websites:
www.his.se/human-robot-interaction-60-ECTS
www.his.se/human-robot-interaction-120-ECTS

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