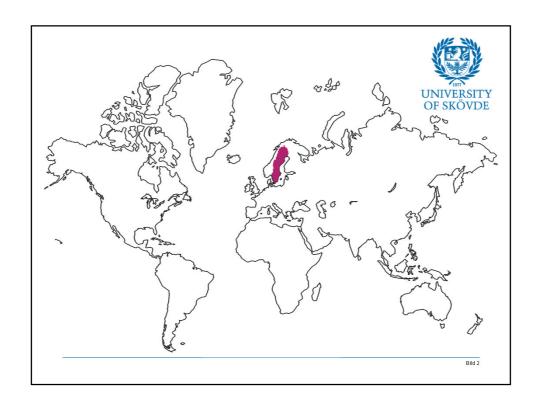


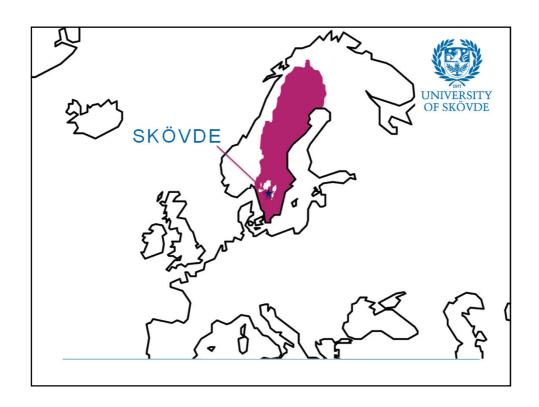
YOU CREATE REALITY



ENRIQUE RUIZ ZÚÑIGA - RESPONSIBLE FOR INTERNATIONALIZATION · SCHOOL OF ENGINEERING SCIENCE

KARLSRUHE INSTITUTE OF TECHNOLOGY - 14TH NOVEMBER 2018

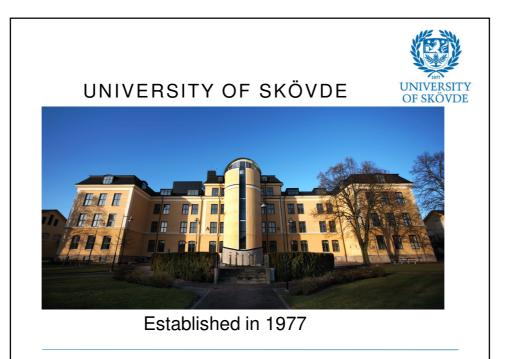






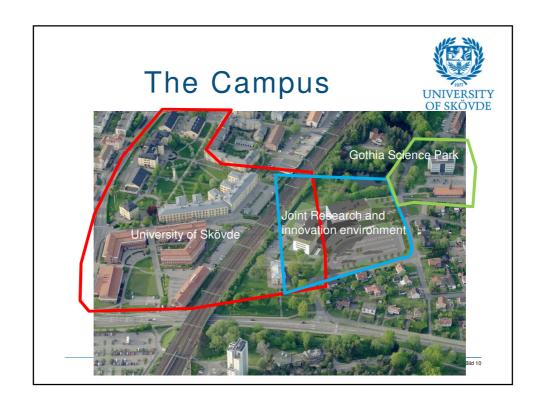


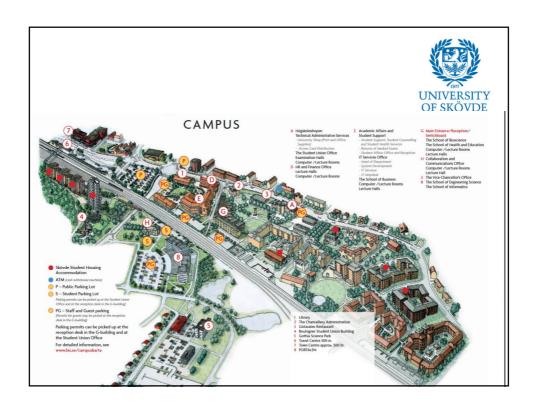












FACTS

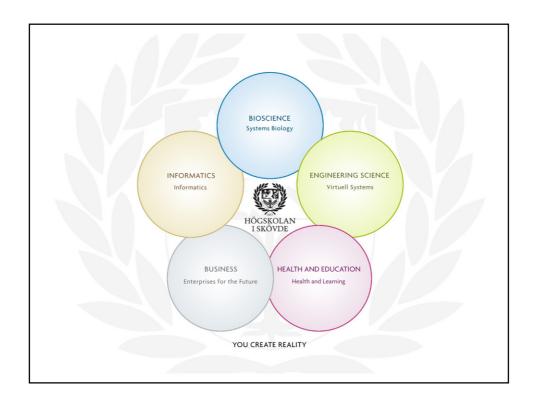




- Staff: around 540
- 60 study programmes
 - · Bachelor, Master, PhD
 - · Innovative and cross disciplinary!
- 200 single subject courses
- About 100 courses given in English
- 120 exchange agreements with more than 40 countries
- 200 incoming international students
- 50 outgoing exchange students



Lars Niklasson Vice-Chancellor



School of Informatics



- · Informatics
- Media Arts, Aesthetics and Narration

Other subjects: Cognitive Science, Music



Our Game Incubator at Gothia Science Park is the world leading talent factory in the field of computer game development

7



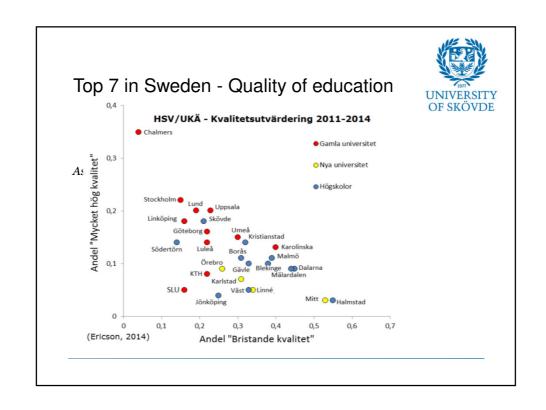
School of Informatics

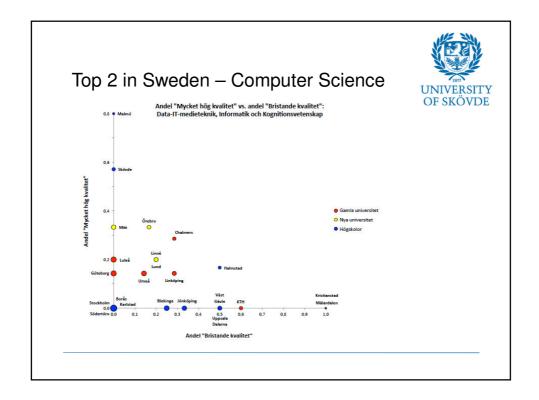


- Distributed Real-time Systems
- · Information Systems
- · Interaction Lab
- · Skövde Artificial Intelligence Lab
- · Media, Technology and Culture
- Software Systems Research Group









Research Vision



- Demand driven research that contributes to the development of business and society
- Profiled research in which we are nationally leading and internationally competitive
- The offered education programmes at basic, master and PhD levels are within our research profiles

RESEARCH



- Around 135 professors, associate and assistant professors available for research.
- Presently around 75 students are engaged in Ph.D. studies
- · Five research specialisations;
 - Informatics
 - · Virtual Engineering
 - · Systems Biology
 - Enterprises for the Future
 - Health and Education



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PhD in Information Technology



The PhD programme in Informatics covers a broad spectrum of information technology-related disciplines ranging from the study of media and organizational computing to the technical disciplines

IPSI - Industrial PhD School Informatics

The vision is to be able to award PhD degrees in all of the five research specialisations.



INTERNATIONAL PROGRAMMES

Bachelor's Programmes

Biomedicine 180 ECTS

Bioscience - Molecular Biodesign 180 ECTS

3ioscience

Bioinformatics 60 ECTS
Biomarkers in Molecular Medicine 120 ECTS
Cognitive Neuroscience: Mind and Brain 60 ECTS
Infection Biology 60 ECTS
Infection Biology 120 ECTS
Molecular Biotechnology 60 ECTS
Molecular Biotechnology 120 ECTS

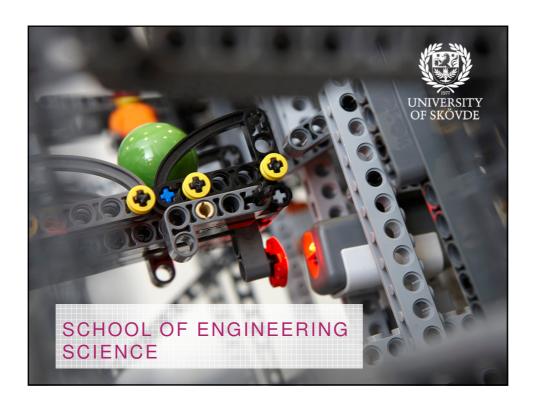
Engineering and Technology

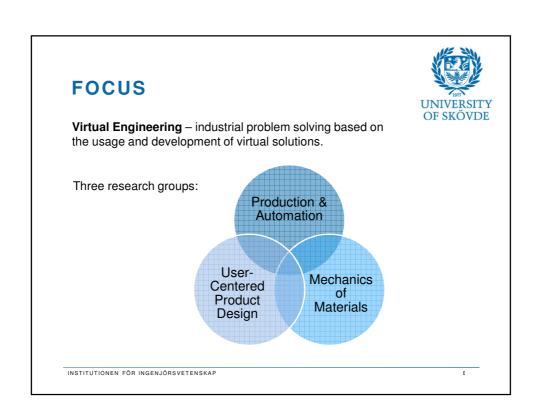
Intelligent Automation 60 ECTS
Intelligent Automation 120 ECTS
Virtual Ergonomics and Design 60 ECTS
Virtual Ergonomics and Design 120 ECTS

Informatics

Data Science 60 ECTS
Data Science 120 ECTS
Digital Narration - Game and Cultural Heritage 60 ECTS
Research Master in Informatics 120 ECTS
Serious Games 60 ECTS











Simulation-based optimization



IT-tools for the operators of the future



Maintenance optimization



Human-robot collaboration



Decision-support system



Product life-cycle management



Virtual commissioning



Continous improvements



INSTITUTIONEN FÖR INGE JÖRSVETENSKAP

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USER-CENTERED PRODUCT DESIGN









SMART TEXTILES – INDUSTRIAL APPLICATIONS



Research about methods and tools for simulation of human-product interaction, to evaluate ergonomics and design ergonomic products and workplaces.



Research about work related information and development of methods for design of successful information system solutions in industry.



Research about humanrobot collaboration, to create human friendly and productive workplaces.



Research about how smart textiles can be applied in industry to improve health, quality and productivity.

MECHANICS OF MATERIALS



Adhesive joints



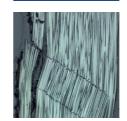
Fracture of adhesive joints of strengthening components in airplane fuselage.

Composite material



Delamination of carbon fiber composite material.

Kink-band



Kink-band formation during compressive loading of carbon fiber reinforced epoxy.

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ENGINEERING PROGRAMS



Undergraduate Engineering Programs

- **Automation Engineering**
- Production Engineering
- Mechanical Engineering
- Design Engineering
 Building Engineering
- General Engineering
- Production Technician
- **Automation Technician**

Graduate Engineering Programs

- Intelligent Automation 60 ECTS
- Intelligent Automation 120 ECTS
- Virtual Ergonomics and Design 60 ECTS
- Virtual Ergonomics and Design 120 ECTS





assar

INDUSTRIAL INNOVATION ARENA



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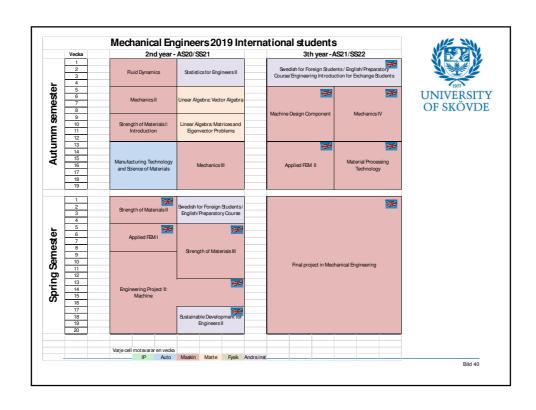
The Volvo AB Preferred Research Partner within Virtual Manufacturing

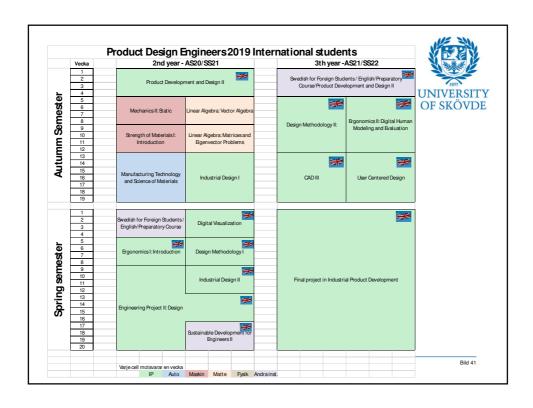


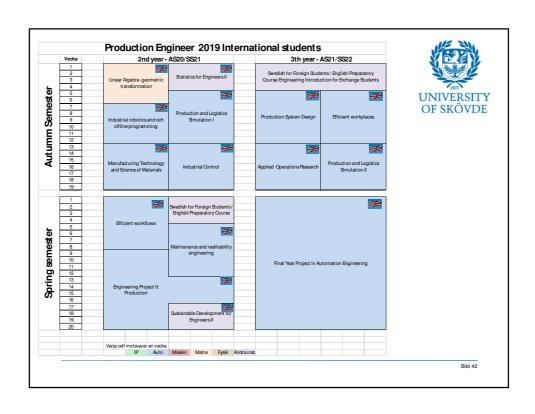


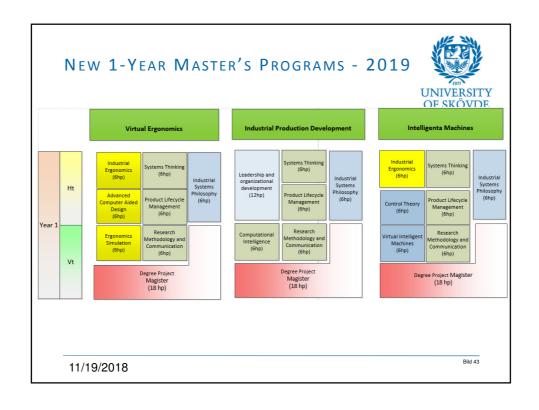
- Interaction between business and research
- Business incubator

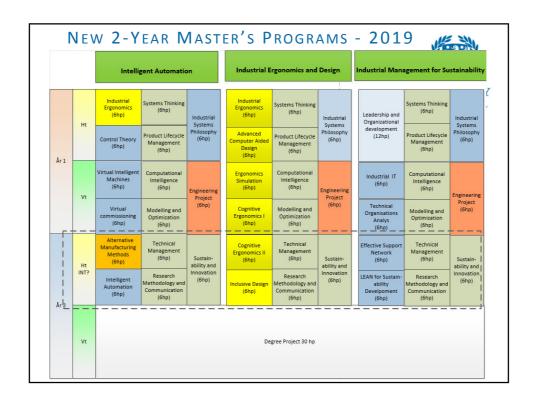












Student Support



- Pick-up service
- Introduction programme
- Student Union
- International Committee
- · A buddy system



Student Support

- · Student Affairs Office
- Student and Career Counselling
- Student Health (Social counselling)
- Support for students with disabilities
- IT-Helpdesk
- Library
- Study Support Centre







International Office



Staff

Sanna Larsson, Andrea Dião Jonsson, and Frida Lindgren







Bild 47

CONTACT



- International Office: international@his.se
- Student counsellors: studycounselling@his.se
- Admission: admission@his.se
- Accommodation: bostadsformedling@his.se









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AN OPORTUNITY



Possibility of enriching your engineering studies and even more:

- Possibility of getting a double engineering title if the requisites are accomplished.
- Possibility of studying a 1 year master degree after getting the bachelor degree.
- Personalized attention to the student.
- Direct relation with industry.
- Meet one of the most innovative countries in the world.
- Improve languages.





TACK SÅ MCYKET!

Välkommen till Skövde!

www.his.se www.studyinsweden.se www.facebook.com/hogskolaniskovde

Enrique Ruiz Zúñiga - School of Engineering Science - Responsible for internationalization

Karlsruhe Institute of Technology – 14th November 2018