



JÖNKÖPING UNIVERSITY
School of Engineering

COLLABORATION AT THE SCHOOL OF ENGINEERING AT JÖNKÖPING UNIVERSITY



... it is also fine to
send an email.

TABLE OF CONTENTS

7	Collaborate with JTH Our Offers Examples of Collaboration
17	Invite a Student Industrial Placement Course Thesis Project
24	Contact Us
26	The Year 2024 Some highlights of the Year JTH in Numbers



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COLLABORATION THAT MATTERS

” In close collaboration with regional businesses, the School of Engineering at Jönköping University (JTH) conducts relevant and in-demand education and research. The exchange of knowledge between us and our collaboration partners ensures that our educational programmes remain sought after and that our research remains relevant. With a focus on technology, we build bridges between theory and practice to help address the complex challenges of today and tomorrow in both industry and society at large.

The purpose of this brochure is to provide a comprehensive overview of the opportunities available to collaborate with JTH in education and research. We hope you will find something of interest to you and your organisation. On page 24, you will find several ways to get in touch with us.

We look forward to hearing from you!

Linda Bergqvist, Head of Collaboration

Ingrid Wadskog, Dean and Managing Director



JTH is accredited in collaboration, demonstrating that we meet high standards in this area. This sends a clear signal to students, staff, businesses, and the public sector. The accreditation confirms that JTH has strong relationships with external partners and a structured approach to fostering industry-oriented education and research through collaboration.

In short, an accreditation in collaboration is a testament to JTH's established culture of partnership and cooperation—benefiting all parties involved.





JTH

A REGIONAL FORCE WITH STRONG INDUSTRY TIES

JTH is deeply rooted in the region, originally founded to meet the industry's need for trained engineers. Today, JTH is Sweden's third-largest educator of Bachelor of Science in Engineering graduates, collaborating with approximately 1,000 companies annually in both education and research.

Collaboration with the business sector ensures that students receive an education tailored to market demands, increasing their chances of securing a good job soon after graduation. That's why our programmes go beyond technical knowledge to include entrepreneurship, leadership, communication, sustainable development, and opportunities for international networking during studies.

JTH's research focuses on industrial product realisation in collaboration with the industry.

To remain at the forefront of both education and research, JTH has established several strategic partners and nodes. These partners are deeply involved in advancing education and ensuring its relevance to the job market. They also collaborate with JTH researchers to develop research topics and actively participate in both short- and long-term research projects. As a result, JTH students benefit from the latest research developments in their education and bring fresh knowledge into the workforce.

JTH'S STRATEGIC PARTNERS





COLLABORATE WITH JTH

There are many benefits to collaborating with the School of Engineering at Jönköping University. Our students represent the workforce of the future, bringing the latest knowledge from their respective fields. Both our research and education are conducted in close partnership with companies, focusing on their challenges.

On the following pages, you will find various collaboration opportunities and offers.



Scan the QR code to learn
more about our offers!



ENGAGEMENT IN EDUCATION

Get involved in students' education to gain fresh, innovative ideas while contributing to and strengthening the workforce of the future. Stay updated with the latest knowledge, enhance your company's profile, and create valuable networking opportunities. Your engagement is an investment in both individuals and the long-term skills supply of your company.

INDUSTRIAL PLACEMENT COURSE (IPC)

Does your company need skill development in a specific area? Do you need assistance with a project or study? JTH's Industrial Placement Courses (IPC) offer a win-win situation for both your company and the student. Nearly all JTH students complete some form of placement (IPC) for a number of weeks in a workplace.

THESIS PROJECT

Does your company have a challenge that could benefit from a fresh perspective? By inviting an engineering student to conduct a thesis project, you can gain an academic approach and discover new solutions for challenges within your organisation.

WORKSHOP

Is your company working on a new product or service and looking for fresh ideas or perspectives? A workshop is an effective tool during the brainstorming phase or at the start of a new project. Let our engineering students work on your idea during a workshop to generate new insights and perspectives.

HACKATHON

Give our engineering students a programming challenge in a Hackathon! Students will work on your case and present different solutions that your company can draw inspiration from. Hackathons typically involve participants coding freely in an open format for 24 hours or over a weekend. There are also hackathons focused on developing, modifying, or improving physical products.

COURSE PROJECT

Does your company have an ongoing project that could benefit from new ideas? There is an opportunity to tailor a course to align with your project needs.

INTERNATIONAL CAMPUS

Is your company operating globally and in need of workforce, expertise, development, or research? JTH's international campus programme enables students to complete their internship or thesis project in collaboration with a company abroad, often combined with academic studies. As a company, you gain access to new talent while receiving assistance with development. Meanwhile, students gain valuable international experience, which is highly sought after by employers.

MEMBER OF AN INDUSTRY ADVISORY BOARD

By joining an industry advisory board for a study programme, you and your company can help shape tomorrow's engineers. This is an opportunity to influence the curriculum to ensure that students develop skills that are in demand in the industry.

GUEST LECTURE IN A COURSE

Share your expertise while strengthening your company's brand among students. A guest lecture should be relevant to the course and linked to the teaching content. We will match you with the right course coordinator!

STUDY VISIT IN A COURSE

Host students for a study visit to help connect theory with practice. Study visits are highly appreciated by both students and lecturers. Often, students receive a course assignment related to the visit.

BUILDING YOUR BRAND AMONG STUDENTS

A strong presence and visibility among students give your company the opportunity to shape its brand as an innovative and socially engaged employer. By engaging with students, you can establish long-term relationships and become their top choice for both employment and business opportunities.

PRESENT YOUR COMPANY IN OUR ENTRANCE*

JTH's main entrance is bustling with students. Here, you have the opportunity to showcase your company and establish personal connections with future talent. Your presence will be promoted in advance through various channels so that students with relevant study backgrounds know you will be on-site.

JOB PORTAL

Reach students with everything from internship to job offers. Your advertisement will be displayed directly in the job portal, which reaches thousands of highly skilled students. The job portal is free to use. More information is available at [JU.SE/advertise](https://ju.se/advertise).

SCHOLARSHIPS

Increase your company's visibility by awarding scholarships to outstanding students. JTH hosts a major scholarship ceremony in conjunction with the Xjobbsmässan at the end of May or early June each year.

SPONSORSHIP

Build your company's brand by collaborating with our students and researchers. There are numerous ways to sponsor various initiatives at JTH while gaining valuable brand exposure. We are open to your ideas!

KARRIÄRUM

Karriärum is JTH's annual career fair—an excellent opportunity for your company to connect with new talent. Network with curious and engaged students and take the opportunity to invite them for internships or thesis projects. During Karriärum, you will also meet many other regional and national companies, expanding your professional network.

XJOBBSMÄSSAN

At Xjobbsmässan (thesis project fair), students showcase the results of their studies—their thesis projects. These projects transform acquired knowledge into products or solutions that are in demand by the industry. Take advantage of this opportunity to meet talented graduating students who are ready to enter the workforce.

EXECUTIVE ON CAMPUS

Company executives are invited to campus to deliver open lectures.

LUNCH LECTURE*

Present your company at JTH while offering students a light lunch. Your visit will be promoted through relevant channels.

STUDY VISIT

Host students at your workplace to strengthen your employer brand and place brand.

SOCIAL MEDIA VISIBILITY*

Increase your company's visibility among students through the student association's social media channels.

OUR OFFERS

ENGAGEMENT IN RESEARCH

JTH has leading researchers and professors with expertise in various fields. Collaborating with them gives your company access to in-depth knowledge and experience. By working with JTH, you can stay at the forefront of new innovations and business opportunities. This can help you develop new products, improve processes, and create competitive advantages.

RESEARCH COLLABORATION

Based on your company's needs, we collaborate on a joint research project, providing you with new and relevant research results that can benefit your business.

CONFERENCES

JTH organises conferences, often in collaboration with the industry, where current topics and research are highlighted. This is an opportunity for you to enhance your knowledge, build connections, and foster collaboration between businesses and academia.

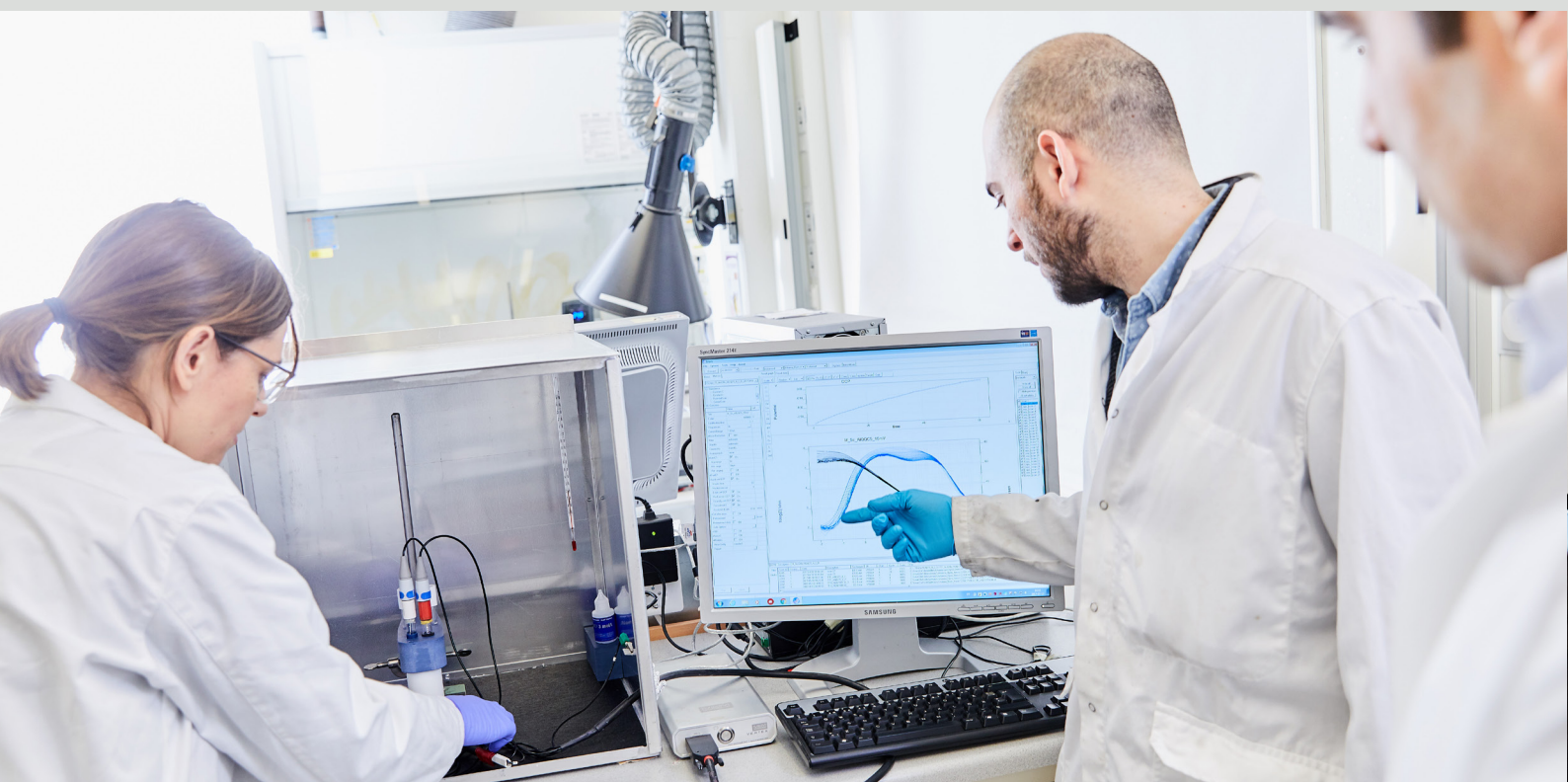
INDUSTRIAL PHD

An industrial PhD involves a research student who is employed by the company but affiliated with JTH. The candidate must have a Master's degree in a relevant field. The research is conducted in collaboration with JTH, strategically benefiting the company and aligning with cutting-edge research. Supervision and doctoral courses take place at JTH, and the company must allocate time for the student's research. Having an industrial PhD is a long-term strategic investment in developing in-house expertise.

SEMINARS

Staying informed about new research strengthens your market position and enhances your competitiveness. In JU's event calendar, you can find upcoming seminars where, for example, research findings are presented.

*Scan the QR code on page 7 for more details about our offers or contact us for further information!
You can find our contact details on page 24.*



COMPETENCE DEVELOPMENT

Get smarter – develop your skills with us! Take the opportunity to learn something new, whether it's a short lecture on a current research topic, an independent course with us, or even an exchange of personnel. Do you have other ideas? Get in touch!

EDUCATION FOR PROFESSIONALS

To help develop your company and employees, we offer lifelong learning through webinars, courses, and lectures tailored for businesses and the public sector.

NETWORKING EVENTS

JTH has regional, national, and global networks. We regularly organize networking events where businesses are invited to participate.

BOARD/MANAGEMENT MEETINGS

Hold your board or management meeting at JTH, right in the heart of Jönköping! We provide coffee or lunch according to your preferences and ensure you get the opportunity to hear a short presentation on current research in your field of interest.

ADJUNCT POSITIONS

Connect an expert to JTH or host a JTH employee at your company for a limited period for specific tasks. They retain their primary positions. Adjunct positions are used to leverage expertise in the short term within the framework of mutually beneficial collaboration.

LECTURES

Does your company need a tailored lecture on the latest developments in construction engineering? Or perhaps the newest insights into production systems? JTH offers lectures in a variety of fields relevant to your company's competence development – customized to your needs and requirements.

*Scan the QR code on page 7 for more details about our offers or contact us for further information!
You can find our contact details on page 24.*



THE SUN AS A DRIVING FORCE: JU SOLAR TEAM SHAPES THE FUTURE

From Darwin to Adelaide: A Challenging Journey Through Australia's Outback, Where Innovation and Performance Meet on the Road to a Greener Future.



In a fierce race across Australia's tough outback, where the sun is both enemy and ally, our dedicated students compete with a groundbreaking solar-powered car that they have designed and built themselves. Their goal? To cross Australia from Darwin to Adelaide in the prestigious Bridgestone World Solar Challenge, facing off against elite teams from all corners of the globe.

Despite the immense challenges, the team excelled in the 2023 competition, securing an impressive 7th place globally while proudly standing as Sweden's undisputed number one.

– Our team performed exceptionally well in the competition, which was great to see and made me proud as a representative of JU, says Ingrid Wadskog, Dean and Managing Director of the School of Engineering.

Behind this race lies a noble purpose – to push the boundaries of innovation and sustainability in renewable energy and transportation. Participating in the Bridgestone World Solar Challenge is more than just a race; it is a manifestation of future technology and a tribute to humanity's pursuit of a more sustainable planet.



THE BRIDGESTONE WORLD SOLAR CHALLENGE

Since its inception in 1987, the competition has welcomed everyone – from universities and companies to individual builders – to Australia to push the limits of technology, innovation, and creativity. Competitors from all continents come to participate in the world's largest solar-powered car race, which takes place every other year. Using only solar energy, the competitors start in Darwin and finish in Adelaide, covering a distance of 3,022 kilometers.

Want to support the team? Scan the QR code for more information.



COLLABORATION LED TO A NEW BUSINESS MODEL

A long-standing collaboration across various projects between JTH and the Skillingaryd-based company Comptech has led the company to develop entirely new technology and change its business model.
– It's all about finding a sustainable business to bring out the new technology, says Per Jansson, CEO of Comptech.

Anders Jarfors, professor in material science and manufacturing, particularly in casting at JTH, emphasizes the importance of long-term partnerships in collaborations.

– A project can generate good ideas, but it's only when it's long-term that you can say it delivers good results and truly makes a difference, he says.

Anders believes that one of the key reasons JTH has been able to create so many successful collaborations is the culture within the school, especially at the Department of Materials and Manufacturing. He describes an open collaborative climate with a high level of creativity.

– We try to harness the creative power of everyone on the team. We have a collaboration mindset where it's not just about collaboration between us at JTH and the companies, but also about internal collaboration, says Anders.

The partnership with Comptech began in the early 2000s and continues to this day. Among the funders are the Knowledge Foundation, Vinnova, and Metalliska Material.

RHEOCASTING CONTRIBUTED TO TRANSFORMATION

Instead of being a traditional foundry, Comptech is now an equipment supplier with customers worldwide.

– Thanks to the collaboration with JTH, we've made a huge transformation from being a traditional provider of cast components to selling our own product. It's largely due to the expertise from JTH that we're where we are today, says Per Jansson.



The new technology is called Rheocasting, where "Rheo" comes from the word Rheology, the science of flow.

Previously, a problem for Comptech was that the casting material solidified too quickly. Through Rheocasting, developed with the help of JTH, the final material has vastly improved properties with fewer pores and defects.

DIALOGUE AND TRUST ARE KEY TO SUCCESSFUL COLLABORATION

Anders Jarfors believes that one of the most important factors for collaboration is having good dialogue and building trust over time, as that's when real changes can happen.

– For projects like those JTH works on, it's a huge advantage that we can almost immediately start delivering knowledge, which is beneficial both for us at JTH and for the companies we work with. It's when we really engage in a learning process and solve problems together that it creates added value, he says.

TOGETHER TOWARDS A CIRCULAR FUTURE

The Rheocasting technology can save 490 tons of aluminum and

over 6000 tons of CO₂ annually with just a single cast component. This strongly supports companies in the foundry industry in achieving ambitious sustainability goals.

– Everything leads toward a sustainable and circular future. Comptech has been involved in inspiring and developing us. Right now, for example, we have Ziyu Li, working for Comptech as an industrial PhD student, working on a project to introduce AI into the die-casting world, explains Anders Jarfors.

Per Jansson believes that the industry should take greater advantage of the knowledge at JTH.

– It becomes a much stronger offering when we have someone who can handle the practical side and understands the industry, the way JTH does. They also contribute with theory and the credibility that the technology works.

There are many gains to be made from this type of collaboration, and JTH has helped increase the credibility of our technology.

AI IN DAILY OPERATIONS

– AN EYE-OPENER FOR MIKAEL AND HIS TEAM

“I’ve gained a much better understanding of how we can use AI in our daily production, and I would definitely recommend the course to others.”

This is how Mikael Nilsson, Head of Margin Management at Nordea Asset Management, summarizes his experience after completing the online course *Data-driven AI for Decision Makers* at JTH.

LIFELONG LEARNING AT THE CORE OF JTH

Lifelong learning is a key focus for JTH, which aims to be the go-to partner for Swedish industrial companies in need of competence development within knowledge-intensive product realization. At the same time, JTH offers opportunities for individuals who want to switch tracks or deepen their expertise.

HIGHLY RELEVANT FOR CAREER DEVELOPMENT

Mikael found the course highly relevant to both his previous role in operational risk and his current position, which focuses on financial and counterparty risk. He chose the course to gain a better understanding of AI-related issues in his work and to find new ways to incorporate AI into the business.

– The course was informative and well-structured, and it was easy to get an overview of what was needed to complete it, Mikael says.

PRACTICAL INSIGHTS AND REAL-WORLD EXAMPLES

What Mikael appreciated most about the course were its simplicity, clear presentations, and the many practical examples. The course provided him and his colleagues with a better understanding of how they can use AI solutions from their suppliers and integrate AI into their daily production processes.

– I highly recommend this course to others. It’s a great introduction to AI, with many practical and easily understandable examples from real-world situations, concludes Mikael.

With courses like these, JTH continues to help both individuals and companies stay at the forefront in an increasingly AI-driven world.



” I highly recommend this course to others. It’s a great introduction to AI, with many practical and easily understandable examples from real-world situations

*Mikael Nilsson,
Head of Margin Management
at Nordea Asset Management.*

INTERESTED IN TAKING A COURSE?

At JTH, we offer various educational options for professionals who want to grow in their roles. We provide standalone courses, programs, and fully tailored training that can be combined with your professional life.







INVITE A STUDENT

Give your business an unbeatable advantage by welcoming engaged students for an Industrial Placement Course (internship) or thesis project!

3 Reasons Why

- The fresh perspectives of students could be the key to solving problems and finding creative solutions.
- Identify and develop potential future employees.
- Strengthen your company's brand as an employer that invests in education and development.

Take the step and open your doors to students – it's an investment in both your company and the future!

INDUSTRIAL PLACEMENT COURSE

While much is learned from lectures and lessons, not everything can be gained in the classroom. That's why JTH offers an Industrial Placement Course (IPC), which creates a clear link between theory and practice during students' education. This ensures that students are better prepared for their future careers, something that companies also benefit from.



WHAT IS AN INDUSTRIAL PLACEMENT COURSE, IPC?

IPC involves the student doing 8 to 14 weeks of practical work at a company. The number of weeks depends on the student's program and specialization. Students can also complete their internship during the summer break.

EXAMPLES OF POSSIBLE TASKS

Together, the student and employer define suitable tasks connected to the student's education. These tasks are communicated and approved together with the course coordinator at JTH.

Here are a few examples of what students can do during IPC:

- Participate and contribute knowledge in an ongoing project.
- Conduct a study of an ongoing production process.
- Perform one or several tasks relevant to the student's education.
- Contribute to competence development in the company based on the student's previous courses and experiences.

THE EMPLOYER'S ROLE

To ensure that IPC runs as smoothly as possible, the employer must:

- Provide a physical workspace.
- Offer relevant tasks.
- Give necessary introductions, including safety and work conditions.
- Appoint a mentor who will support the student throughout the internship. The mentor should maintain regular contact with both the student and JTH.

THE STUDENT'S ROLE

The student's role involves:

- Independently contacting the employer.
- Completing agreed-upon tasks with high levels of ambition.
- Writing reflective journal entries throughout the internship.
- After the internship, writing a report and participating in a seminar that is assessed and approved by the course's examiner.

WHEN DO STUDENTS TAKE IPC AND WHAT SKILLS DO THEY BRING?

Scan the QR code to read more.



BUILDING BRIDGES TO THE FUTURE

– HOW A STUDENT HELPED SCANIA THINK DIFFERENTLY

Opening the door to young talent can yield unexpected results. This became clear for Scania in Södertälje when they welcomed student Klara Yousef from JTH for an IPC. The internship became an opportunity for the company to explore new ways of working, and for the student to test her knowledge in real-world scenarios.



Klara Yousef, student in Architectural Engineering, brought innovative ideas during her IPC at Scania.

During seven intense weeks in the spring of 2024, Klara worked on creating 3D renderings and building models using advanced tools like Revit and D5 Render. Reception areas, stores, and technical modules such as battery shelves took shape – with a design that balanced aesthetics and industrial requirements. At the same time, Building Information Modeling (BIM) was introduced as part of the workflow, offering Scania a new perspective on how modern tools can streamline operations.

– The most rewarding part was using my ideas to solve real challenges, says Klara, who was also offered a summer job at Scania after her internship.

For Scania, bringing in a student meant not only new ideas and creative solutions but also a chance to identify future talent. For Klara, the internship confirmed that the knowledge gained at JTH, with its focus on both construction and architecture, is highly sought after in the job market.

Taking in students via IPC is an investment in the future. It creates value here and now – and helps companies stay ahead of the game. The question is: Is your company ready to seize the opportunity?

KARRIÄRUM

Karriärum is JTH's annual career day held every November. The fair is the largest of its kind at JU, with around 130 exhibitors and 1,500 visitors.

During the fair, JTH students seek internships (IPC) and thesis projects. Karriärum is a meeting place for making connections for the future, where companies can find valuable employees and endless opportunities are unlocked for both businesses and students!

WE WELCOME THESE COMPANIES TO KARRIÄRUM 2024!



Scan the QR code for more information about Karriärum.



THESIS PROJECT

The thesis project serves as a way to integrate the courses, theories, knowledge, laboratory work, and applications that the student has acquired during their studies and apply them to a real-world problem or project in collaboration with a company.

THE COMPANY'S RESPONSIBILITIES

To ensure the thesis project is carried out as effectively as possible, the company should:

- Provide a suitable project.
- Offer necessary introduction and information regarding the company and the project.
- Appoint a supervisor at the company who will support the student throughout the project. The supervisor should maintain regular contact and have a solid understanding of the project the student is expected to complete.

THE STUDENT'S RESPONSIBILITIES

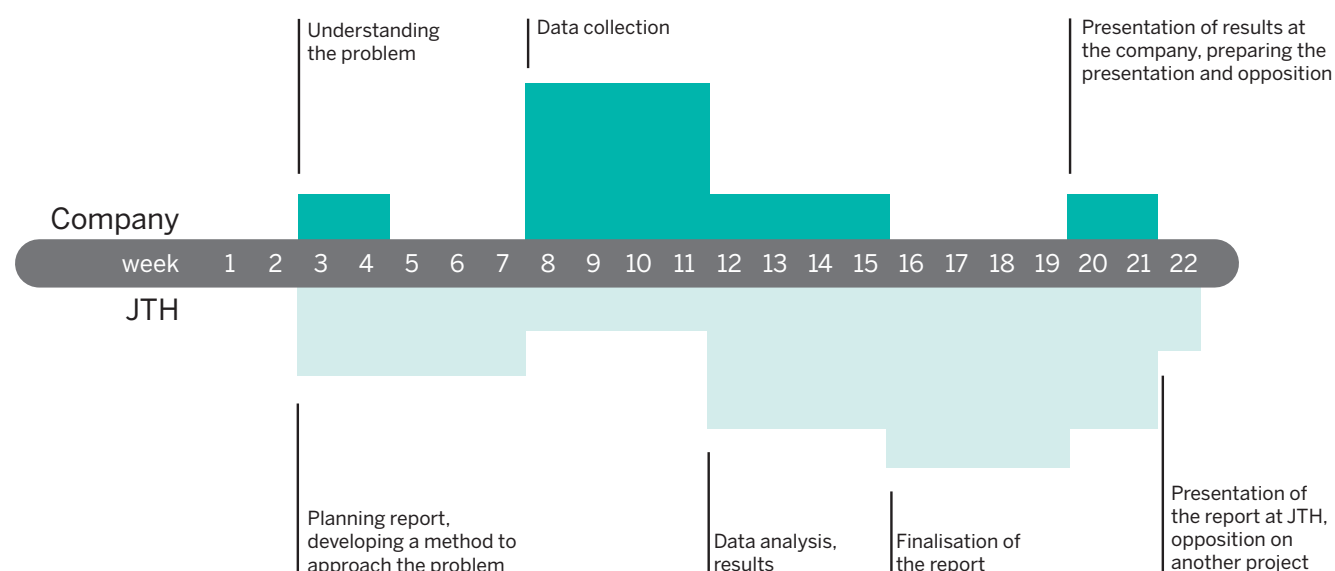
The student's role primarily involves:

- Independently establishing contact with a company.
- Proposing ideas for thesis projects.
- Writing a scientific report and participating in a seminar, which will be assessed and approved by the examining lecturer.

JTH'S RESPONSIBILITIES

- Appoint a supervisor and examiner at the university.
- Approve the final report.
- Invite the student to the Xjobbsmässan (Thesis Project Fair).

Example of the Student's Time Allocation Between JTH and the Company During the Thesis Project:



FROM THEORY TO REALITY

– THE THESIS PROJECT THAT LED TO A CAREER AT THULE

Bringing in students for thesis projects is an investment in both future talent and a company's development. For Pelle Lohus, the thesis project at Thule was not only a valuable learning experience – it also became his pathway to a permanent position.

When Pelle, who studied the Master of Science in Engineering in Product Development and Industrial Design at JTH, was choosing a company for his thesis project, Thule was the obvious choice.

– I had a strong interest in finite element method calculations, and Thule offered an exciting project in exactly that area, he explains.

Together with a coursemate, he explored and developed methods for building material models for simulations in LS-Dyna. The project was both challenging and flexible, with support from both Thule and JTH.

FROM THESIS PROJECT TO EMPLOYMENT

Completing a thesis project at a

company is not just an educational process – it can also lead to a career. For Pelle, this became a reality when he was offered a job during the course of his project.

– A week after graduation, I started working, and today I have a permanent position as a Junior Structural Analyst. He is convinced that the thesis project was crucial in securing his job.

– We had the opportunity to show-case our skills and motivation even before we were officially hired, he says.

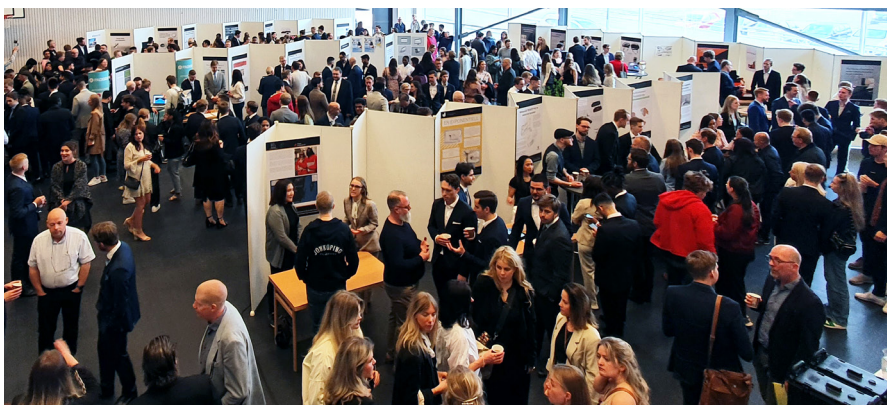
For Thule, it meant that a driven student became a valuable team member. For Pelle, it was a direct path into working life.



Pelle Lohus secured a job at Thule after his thesis project – a success for both him and the company.

XJOBBSMÄSSAN

At the Xjobbsmässan (Thesis Project Fair), JTH students present their thesis projects to representatives from various industries. It is a perfect event for companies looking to recruit new employees or gain inspiration for innovative ideas. The fair is held annually in connection with graduation in May/June.

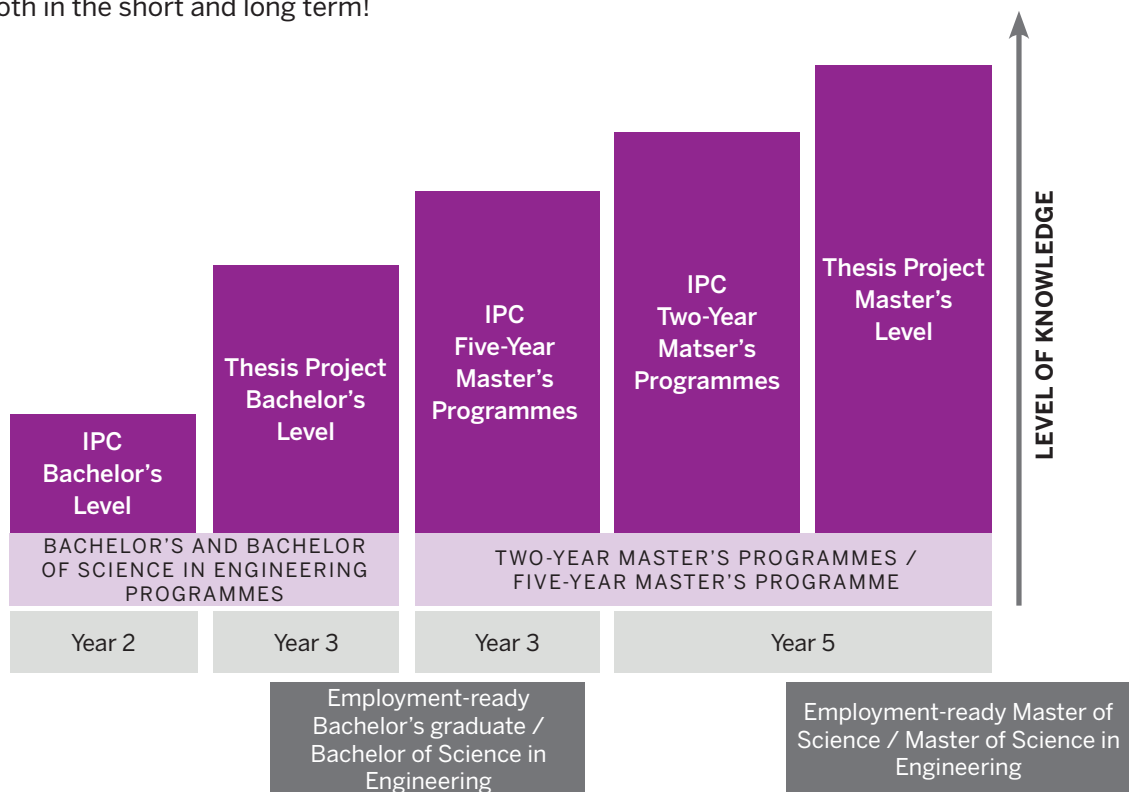


” I’m curious about new technology, and the Xjobbsmässan is all about the future. It sparks ideas about emerging technologies, and students are great trendspotters. It’s also an excellent opportunity to network with students. Who knows – in five to seven years, one of them might be my boss or colleague.

*Kim Larsson,
Department Manager at Etteplan*

STRATEGIC RECRUITMENT

Think strategically by engaging with students early in their education. This gives you the opportunity to get to know them over a longer period and in various contexts. Following a student through Industrial Placement Courses (IPC), summer jobs, and thesis projects can be beneficial both in the short and long term!



INDUSTRIAL PLACEMENT COURSE – BACHELOR'S LEVEL

The IPC is typically carried out over several weeks at the end of the second year. After completing the IPC, students are familiar with both the company and the work tasks.

SUMMER JOB

Students who have completed their IPC and are given the opportunity to continue working with the same employer over the summer can contribute even more to the company.

THESIS PROJECT – BACHELOR'S LEVEL

Allow a student to assist with current challenges and provide fresh perspectives while working part-time

for an entire semester. The thesis project is conducted during the spring term of the final year. Once completed, the student has finished their education and is ready for employment.

PROJECTS/SUMMER JOBS

If the student chooses to pursue a master's programme and the collaboration with the company is successful, the fourth year can be used to offer the student part-time work, student projects, or summer jobs.

INDUSTRIAL PLACEMENT COURSE – MASTER'S LEVEL

The IPC at the master's level is conducted during the fifth year of studies and can involve a more

complex project, as the student is now studying at an advanced level.

THESIS PROJECT – MASTER'S LEVEL

The thesis project runs full-time throughout the spring semester, resulting in a highly skilled graduate with expert knowledge, ready for employment.

WHEN AND HOW LONG DO STUDENTS HAVE IPC AND THESIS PROJECTS?

Scan the QR code to learn more.





DO YOU WANT TO COLLABORATE WITH JTH? CONTACT US!

THE COLLABORATION TEAM

The collaboration team at JTH works broadly to create, maintain, and strengthen partnerships between the university and external actors such as companies, organisations, authorities, and other educational institutions.

The team consists of Linda Bergqvist, Head of Collaboration, Stefan Brolin, Project Manager for Collaboration with a focus on Lifelong Learning, and LisaBeth Sundström, Project Manager for Collaboration with a focus on Student Activities.

On pages 7–11, you can find our collaboration offers. If you have general questions about collaboration or wish to establish a large-scale partnership, feel free to contact the collaboration team. For subject-specific inquiries, please reach out to one of our colleagues listed below.



From left to right:

Stefan Brolin, broste@ju.se

LisaBeth Sundström, sunlis@ju.se

Linda Bergqvist, rali@ju.se

THE EXTERNAL RELATIONS COUNCIL

Each department at JTH has a representative in the External Relations Council, which is led by the Head of Collaboration. The External Relations Council works to maintain existing business contacts, establish new partnerships, and act as a bridge between academia and industry. The council has a comprehensive overview of what each department can offer companies and the opportunities available for collaboration in both education and research.

Are you curious about how your company can connect with our students and researchers? Don't hesitate to get in touch with us!

Scan the QR code for more information about the External Relations Council and their contact details.



Kharin Abrahamsson
Construction Engineering and Lighting Science



Jasmin Jakupovic
Computer Science and Informatics



Anders Adlemo
Computer Science and Informatics



Einav Peretz Andersson
Computing



Magnus Vårbrant
Supply Chains and Operations Management



Peter Leisner
Materials and Manufacturing



Conny Larsson
Product Development, Production and Design



Anita Brun Fransson
Higher Vocational Education

STAY UPDATED

Be the first to learn about opportunities to meet students, participate in research and innovation, and build valuable networks.

LINKEDIN

Follow us on LinkedIn to stay updated
on everything happening at JTH!

JTH-LIVE

On LinkedIn, our Head of Collaboration, Linda Bergqvist, hosts live discussions with special guests approximately once a month. Make sure to follow JTH on LinkedIn so you don't miss our announcements—or why not check out one of our previous events?

You can find them all on our
LinkedIn page!



JTH-Live with Måns Svensson, President of JU, and Fredrik Ekvall, Director Project Management at Thule.

SUBSCRIBE TO JTH'S NEWSLETTER

Don't forget to sign up for JTH's newsletter! Sent out about once a month, it keeps you informed about upcoming events and news relevant for companies, organisations, and public administration.

Scan the QR code to sign up!
(In Swedish only)



SCHOOL OF ENGINEERING PROGRAMME CATALOGUE

At JTH, we educate the engineers of the future to tackle the challenges of tomorrow. With a strong focus on sustainability and close collaboration with industry, we provide our students with hands-on experience and an international perspective.

Are you or someone you know interested in our degree programmes?
Scan the QR code to explore our catalogue! *(Available in Swedish only)*



SOME HIGHLIGHTS OF THE YEAR 2024



Ehsan Ghassemali appointed as Professor.

17 JAN WORLD-UNIQUE DEVELOPMENT CENTRE PLANNED IN JÖNKÖPING

RISE (Research Institutes of Sweden) has signed a letter of intent with Volvo Cars, Volvo Group, and Scania to plan a new development centre for sustainable casting in Jönköping.

– Together with our other partners, this will further strengthen our expertise in this high-tech field, says Ingrid Wadskog, CEO of the School of Engineering.

18 JAN STUDENTS MET 14 COMPANIES AT THE ARCHITECTURE FAIR

Around 70 students studying Architectural Engineering at JTH met with 14 construction industry companies on 18 January during an architecture fair at JTH. The companies showcased their products and presented themselves as potential future employers. The fair, organised by Arkitektakademin, was held at a school for the first time.



Industrial Tour.

08 FEB RESEARCH PITCHES

JTH researchers pitched about ten research ideas to colleagues and companies. The goal was to test ideas and find collaboration partners.

19 MAR OPEN HOUSE AT JTH

Students and staff welcomed around 2,000 visitors to discuss education. Student associations shared insights into student life at JU, and the JU Solar Team presented their achievements in the 2023 Bridgestone World Solar Challenge in Australia.

27 MAR 50 MILLION SEK FOR GREEN TRANSITION

The School of Engineering was awarded SEK 49.2 million from the KK Foundation for the GRACE research profile, supporting the green transition in manufacturing from 2024–2032. Eleven companies are involved, and JTH now has three research profiles funded by the KK Foundation.



JU LIVE: How to protect yourself online.

09 APR UNIVERSITIES STRENGTHEN COLLABORATION

University leaders and collaboration teams from multiple institutions participated in a workshop exploring the Time4UNChange Strategy Guide and Toolkit. The workshop marked a step toward enhancing collaboration at each university.

16 MAR MILAN DESIGN WEEK

Fourteen students from JTH's Product Development and Furniture Design programme exhibited their interpretations of the classic wooden chair at Milan Design Week from 16–21 April.

18 APR SPARK CONFERENCE

Around 90 participants attended discussions on "Together Towards Industry 5.0 – Results from Collaborative Research." The research project IDEAL was awarded the SPARK Award.

– This award highlights our strong collaboration between academia and industry, says project leader Fredrik Elgh.



SPARK Conference.



Milan Design Week.

18 INDUSTRIAL TOUR

A P R

Students from the Industrial Product Development programme visited Delex Teknik in Forsheda, Zinkteknik in Bredaryd, AXJO Plastic in Gislaved, Liljas Plast in Hillerstorp, and Hylténs Industrial Museum in Gnosjö. The visits provided insights into production lines for various components, offering a broader understanding of the surrounding industry. The tour was sponsored by Business Gnosjöregionen.



Open House at JTH.

24 JU LIVE: HOW TO PROTECT YOURSELF ONLINE

A P R

Back up your data, write down your passwords, and stay sceptical. These were some cybersecurity tips shared by Joakim Kävrestad, lecturer in computer science at JTH, during his JU LIVE talk on online security.

04 EHSAN GHASSEMALI APPOINTED AS PROFESSOR

M A Y

– Being appointed as a professor is a once-in-a-lifetime experience. It's truly a milestone in my academic career, and I'm grateful for all the support from my family, friends, students, and colleagues, says Ehsan Ghassemali.

04 PER RISBERG MEMORIAL SCHOLARSHIP AWARDED

M A Y

The Per Risberg Memorial Fund annually awards a scholarship to individuals who have made a significant contribution to strengthening collaboration and internationalisation between JU and its stakeholders (industry and public organisations). The 2024 scholarship was awarded to Linda Bergqvist, Head of Collaboration at JTH.

14 SAM CONFERENCE

M A Y

On 14–15 May, JU and JTH hosted the 18th edition of the international SAM Conference, focusing on the relationship between society and materials.

– This is one of the best SAM conferences yet, says Jean-Pierre Birat, founder of the SAM conferences in 2004.

06 GROWING INTEREST IN VOCATIONAL EDUCATION

M A Y

Applications for JU's Higher Vocational Programmes increased by 18%.

–This indicates that we have successfully created attractive programmes tailored to meet the specific competence needs of the industry, says Mats Kihlman, Head of Higher Vocational Education at JTH.

– It's a platform for international academia and industry to discuss the challenges of material manufacturing and usage in building a sustainable society, says Anders Jarfors, Professor of Materials and Manufacturing – Casting at JTH.



29 PEOPLE'S CHOICE MAY AWARD

Linda Bergqvist and Stefan Brolin presented JTH's strategic partnerships at the UIIN Conference 2024 under the title: "Strategic Partnerships - based on commitment, not cash."

Clearly an appreciated presentation, as it was awarded the People's Choice Award among 500 participants and 112 presentations!

29 BUSINESS DAY 2024 MAY

As part of JU's 30th-anniversary celebrations as a foundation university, Business Day 2024 was held at the university. The event aimed to highlight the strong collaboration between JU and the regional business sector and attracted nearly 230 entrepreneurs who participated in the inspiring programme.

30 XJOBBSMÄSSAN MAY

120 JTH students showcased their thesis projects at the Thesis Fair Xjobbsmässan. Many companies attended to see the students' work.

– JTH is an excellent recruitment base for us, and it's great to see the students' thesis projects, says Mikael Siebers, HR Business Partner at Saab Training & Simulation in Huskvarna.



31 GREAT JOY AT THE MAY GRADUATION CEREMONY

Around 520 students took part in JTH's graduation ceremony.

10 CUTTING-EDGE AI JUN RESEARCH

Around 70 researchers and industry representatives participated in the international Scandinavian Conference on Artificial Intelligence (SCAI) at JTH on 10-11 June. This year's theme was "AI for a Better Society."

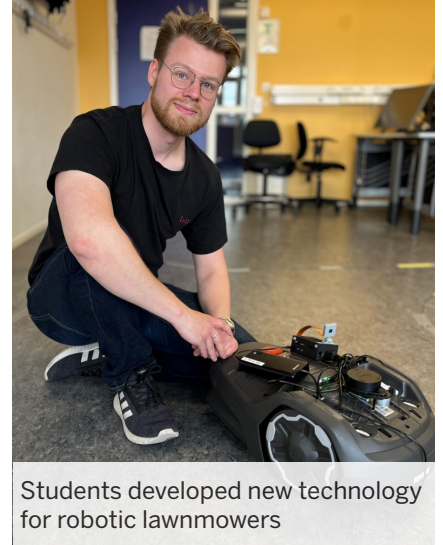
14 NEW JU SOLAR TEAM JUN INTRODUCED

The team that competed in 2023 was thanked, and the new team set to compete in the Bridgestone World Solar Challenge 2025 was introduced.

– The new team has great drive, so there's a risk they might achieve a better placement than we did in the next Bridgestone World Solar Challenge, says former team manager for JU Solar Team, Rikard Månsson.

17 AI CREATIVITY IN FOCUS JUN

AI creativity was the focus at ICCC 2024 (International Conference on Computational Creativity), held at JTH from 17-21 June. It was the first time the conference, which attracted around 100 participants, was organised in Sweden.



17 STUDENTS DEVELOPED JUN NEW TECHNOLOGY FOR ROBOTIC LAWNMOWERS

65 software engineering students at JTH developed new features for Husqvarna's Automowers.

– The students are incredibly skilled, and we have spotted several talents among them who would be interesting to hire, says Björn Mannefred, robotics engineer at Husqvarna.

16 JTH HOSTED AUG INTERNATIONAL CONFERENCE

JTH hosted the international STPIS-24 (Socio-Technical Perspectives in IS) conference on 16-17 August. The conference highlighted the importance of a socio-technical perspective in information systems development, both in research and practice.

27 COLLABORATION AUG ACROSS BORDERS

The collaboration team visited KEA – Københavns Erhvervsakademi (Copenhagen School of Design and Technology), where they shared experiences on strategic partnerships and discussed student exchanges.



Alumna of the Year 2024.

05 SEP CONSTRUCTION STUDENTS EXHIBITED THEIR WORK

16 construction engineering students at JTH built and displayed temporary rooms in Kristine Church Park during the Architecture Days in Jönköping, 5-8 September.

– This is an opportunity for us to develop and learn a lot of new things, says student Hermela Tareke.

06 SEP NEW RESEARCH ON THE CHURCH'S DIGITAL DEVELOPMENT

When the core of church activities, physical gatherings for worship, was no longer possible during the COVID-19 pandemic, congregations quickly transitioned to digital alternatives. New research from JTH explores this transition within the Pentecostal Church and ALT (Academy for Leadership and Theology) and what happened afterward.

18 SEP VERA-DAY

Female students from the technology programme at Erik Dahlberg High School (ED) in Jönköping participated in VERA Day. This annual event at JTH aims to encourage women in technical education and careers.

– Days like these really inspire me, says Daribel Cherry, a student at ED's technology programme.



Great joy at the Graduation Ceremony.

26 SEP STRATEGIC PARTNER MEETING

JTH met with its strategic partners for a full-day event. The theme was “After SPARK, a strategic collaboration for the future,” with Scania delivering a presentation and discussion on the same topic.

28 SEP SEPTEMBER LIGHTS

Many people came to experience September Lights at the harbour pier in central Jönköping. The light event is organised annually by students studying Lighting Design and Illumination Technology at JTH in collaboration with Jönköping Municipality.

01 OCT AI DAY

AI Day focused on AI as a business tool for a more sustainable world, with this year's theme being “AI for a Brighter Future.”

03 OCT ALUMNA OF THE YEAR 2024

With the following motivation:

“Annika is an excellent role model for how lifelong learning can lead to new opportunities and change lives. Having initially studied and worked in the educational field, she later decided to switch careers and pursue a technical degree, which led to a career in the industry.

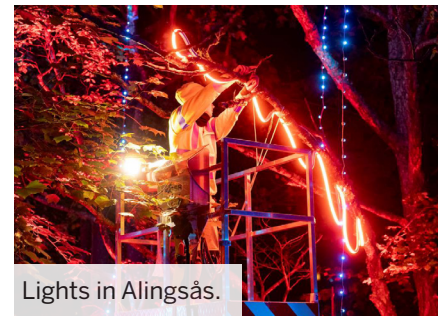
In her previous role as Head of Business Policy at the Chamber of Commerce and now as the manager of Elmia Subcontractor, she works with great dedication to strengthen the connection between JU, students, and the regional business community.

Annika is a true role model for collaboration, passionate about developing JU, the business sector, and the interface between them – fully in line with JU's and JTH's values.”

Annika Cederfeldt – School of Engineering, Logistics and Management (2014-2017), was named JTH Alumnus of the Year.



Elmia Subcontractor.



Lights in Alingsås.



Collaboration project with Ukraine.

10 COLLABORATION OCT PROJECT WITH UKRAINE

JTH and JIBS (Jönköping International Business School) are contributing expertise and students to a digitalisation project focused on rebuilding Ukraine after Russia's war of aggression. The collaboration is between Jönköping Municipality and Berdychiv Municipality in northwestern Ukraine.

06 KARRIÄRUM NOV

Around 1,500 students met 133 companies during the Karriärum career fair at JTH.

– Karriärum is perfect for us because we are looking for exactly the skills that many JTH students have, says Oskar Krantz, Service Owner at Husqvarna Group.

14 UNIQUE IN SWEDEN NOV

– JTH is completely unique in Sweden for offering such a wide range of higher vocational education programmes.

31 JU-LIVE: THE IMPORTANCE OF LIGHT OCT

Johan Röklander, laboratory technician at JTH, gave an appreciated lecture on the importance of light for human well-being and how to create energy-efficient solutions that are also aesthetically pleasing.

08 EXCHANGE WITH THE NOV UNIVERSITY OF OXFORD

Linda Bergqvist and Stefan Brolin attended a Knowledge Exchange Session in Oxford, where they shared experiences on how their respective institutions work with strategic partnerships.

These were the words of Magnus Wallerå, Director General at the Swedish National Agency for Higher Vocational Education, during his visit to JU on 14 November.

03 LIGHTS IN ALINGSÅS NOV

Students from the Lighting Design and Illumination Technology programme at JTH contributed several light installations to Lights in Alingsås, where 20 nations participated.

12 ELMIA SUBCONTRACTOR NOV

The "Husqvarna Course" and JU Solar Team were in focus at JTH's booth at Elmia Subcontractor, 12-14 November. The solar car was a real crowd magnet! During the fair, the KOMPET research project presented its results together with companies on the main stage.

18 MILLIONS IN FUNDING DEC FOR JTH

JTH has been granted over 40 million SEK from the Knowledge Foundation (KK-stiftelsen) for eight projects within the SPARK research and education environment.

– This means we can continue to build knowledge and develop skills that are relevant to the competitiveness of the industry, says Kerstin Johansen, Head of Research at JTH and Programme Director for SPARK.



AI creativity in focus.



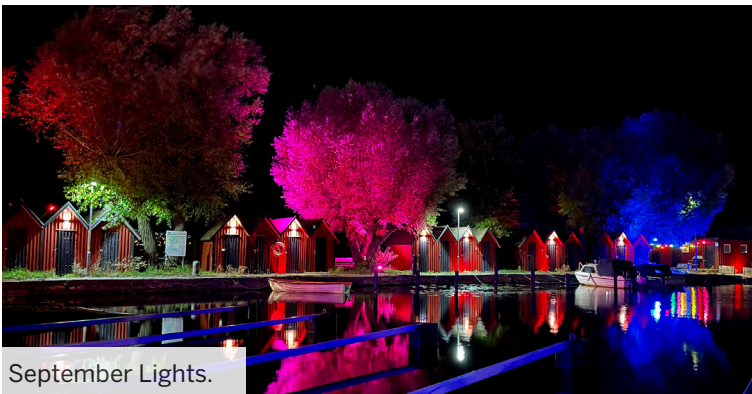
Per Risberg Memorial Scholarship Awarded.



Construction students exhibited their work.



VERA day.



September Lights.



JU-LIVE: The Importance of Light.



Strategic Partner Meeting.



Karriärurum.

JTH

IN NUMBERS 2024



204
employees



70%
men



30%
women



23
professors



42
doctoral students



167
journal & conference
publications

COLLABORATION NETWORKS



EDUCATION



2343

full time
students



64%

men



36%

women



344

international
programme
students



71

outgoing
exchange students



158

incoming
exchange students



25

educational
programmes



613

companies engaged
in education

Bachelor of Science in Engineering Programmes

Construction Engineering

Architectural Engineering

Building Engineering/Civil Engineering

Computer Engineering

Embedded Systems

Software Engineering and Mobile Platforms

Industrial Engineering and Management

Supply Chain and Operations Management

Sustainable Supply Chain Management*

Mechanical Engineering

Industrial and Production Management

Product Development and Industrial Design

Five-Year Master's Programmes

Computer Science and Engineering

Industrial Product Realisation

Construction Engineering

Two-Year Master's Programmes

AI Engineering*

Digital Product Development*

Materials and Manufacturing*

Industrial Design*

Supply Chain Operations Management*

Sustainable Building Information Management*

Sustainable Production Development*

Bachelor Programmes

Networking, Infrastructure and Cyber Security

Graphic Design and Web Development*

Lighting Design and Technology

Higher Education Diploma Programmes

3D-Technology

Product Development with Furniture Design

One-Year Master's Programmes

Cybersecurity*

User Experience Design*

Preparatory Programmes

Basic Science Year

Basic Science Year, Distance Learning

Basic Science Semester

* The programme is offered in English.

Scan the QR code
to learn more about
our programmes.



HIGHER VOCATIONAL EDUCATION



847
students



79%
men



21%
women



25
programmes



5
course packages



366
companies engaged
in education

EDUCATIONAL PROGRAMMES:

Technology and Manufacturing

3D-print Technician
Automation Engineer - Software
Automation Engineer - Robotics
Production Development
Field Service Technician - Mobile Machines
International Welding Specialist and Welding Inspector
Electric Engineer
Electrical Development and Planning Supervisor
Electrotechnician

Construction, Civil Engineering, and Real Estate

Water and Wastewater Development and Planning Supervisor
Real Estate Engineer
Construction Site Manager
Construction Site Management

Data/IT

Web Developer .NET
Java Developer

Logistics

Value-creating Logistics

Scan the QR code to learn more about our higher vocational education programmes.



A vocational higher education programme is developed and conducted in collaboration with companies that require the relevant expertise. Each programme can be tailored to meet regional demand, with its structure and content adjusted and improved to align with the evolving needs of businesses. All programmes are led by a steering committee where industry representatives hold the majority. In addition to participating in the management group, businesses can benefit from the expertise generated within vocational higher education by hosting students for Workplace-based learning (WBL), providing study visits, or delivering guest lectures.

Scan the QR code to learn more about collaboration opportunities within vocational higher education.

COLLABORATION



1557
registered
collaboration activities



800
collaborating
companies/organisations



303
companies hosted
students for IPC



223
guest lectures



150
companies engaged
in research

TOP 10 ENGAGED COMPANIES/ORGANISATIONS:

- Husqvarna Group AB
- Fagerhults Belysning AB
- Elgiganten Logistik AB
- Siemens Energy AB
- Combitech
- Scania CV AB
- Saab Training and Simulation
- AFRY
- Thule
- Träcentrum

COMPANY-ECG

We use the Company ECG to measure companies' perceptions of collaboration with JTH and identify areas for future development. This survey is conducted every two years, with 22 companies participating in spring 2023. The Company ECG is carried out by Finnveden Säljkraft AB.

How companies describe JTH as a brand:

- Collaborative
- Local
- Agile
- Competent
- Engaged
- Forward-thinking

80% of the surveyed companies stated that they have projects they could carry out in collaboration with JTH but are not currently doing so.

Come on, let's make it happen!

WHAT RATING WOULD YOU GIVE JTH ON A SCALE OF 1-10?



WHY WE COLLABORATE WITH JTH!



” It is crucial for the region to continuously develop and for competence to grow over time. For us, it is important to contribute to making Jönköping and its surroundings even more attractive for studying, working, and living. We see collaboration with JTH as a key factor in achieving this while maintaining Husqvarna Group's global competitiveness.

Andreas Rangert

President, North America Business Unit, Forest & Garden Division, Husqvarna Group AB

 **Husqvarna Group**



” Collaborating with JU and JTH comes naturally to us, given our existing partnerships. This includes the Industrial Placement Course (IPC) for students as well as various research collaborations in areas such as AI and digital transformation. Additionally, through SPARK and other industry-relevant initiatives, we can strengthen our profile and enhance cooperation with our customers, ultimately developing local expertise in the region.

Pernilla Wetter

Consulting Unit Manager, Combitech AB

COMBITECH



” We always strive to be at the forefront of developing and designing smart, high-quality products that help users lead active lives. Our collaboration with JTH provides access to a wealth of engineering knowledge and an incredible amount of energy from engaged students. It is also a great opportunity for us to build valuable connections for future recruitment.

Karl-Johan Magnusson

SVP Product Development, Thule Group

Thule Group»