

INDUSTRIAL
DESIGN



Increased demands on industry by societal megatrends on Sustainability, globalisation of the manufacturing and the increased demands of individualized products leads to an industrial climate of constant development and improvements.

In Design processes the emphasis is on solving specific problems set by a project.

Students are stressed to a design thinking where the aesthetics should be matched towards technical and production requirements, as well as market demands.

A design thinking approach, ensures that you and I as users may face products and services that we have an opportunity to understand and operate as well as appreciate and enjoy.

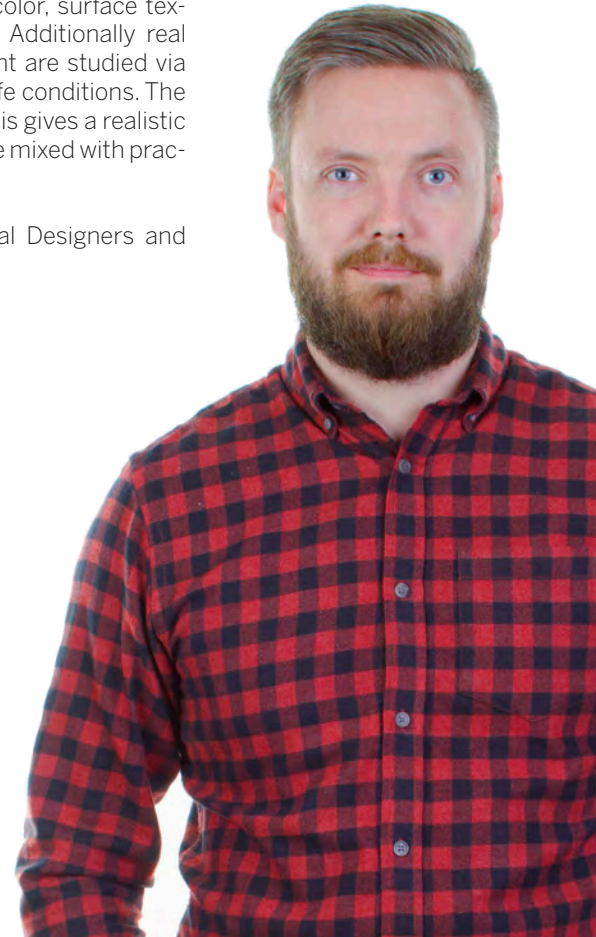
This year's graduation exhibition shows a range of products all having in common that they cover customer requirements in an aesthetically pleasing manner. The students may have different backgrounds and represent different cultures and countries, but have all in common that they have a bachelor's degree in mechanical engineering before they entered the Master Program in Industrial Design. They are all capable to master relevant Industrial Design- as well as Engineering methods and theories. We are confident that this year's graduates are well equipped to meet new challenges, and we have had the pleasure to work with you during these years, wish you all the best in your future careers.

Lars Eriksson, Professor and program manager



The ability to express oneself visually through form, color, surface textures and material is exercised during the program. Additionally real working conditions and needs of product development are studied via field trips, company visits and projects based on real life conditions. The education is mainly implemented in project form, as this gives a realistic picture of product development. Theoretical studies are mixed with practical knowledge which is typical from Industrial Design.

Magnus Andersson and Daniel Hegestrand, Industrial Designers and teachers of the program.



Former students

and what they do now



Hampus Morberg - graduate of 2014
Technology & Development Manager at XTZ Group AB. Industrial designer regarding HiFi Speakers, amplifiers and headphones.

My best memories from my Industrial design studies are from working in the workshop. To really get hands on, creating different design concepts. The fact that the workshop was always accessible was amazing and I loved that we had access and the ability to learn many advance equipment like CNC-milling, different 3D-printing techniques etc. By doing things by hand i learned a lot from my seniors and educational classes about different surface textures, material properties and forms. A cognitive knowledge that I use in my daily work now as a product developer in the HiFi market.



Carlos Jimenez - graduate of 2015
Freelancer designer at CarlosJimenezDesign in Almeria, Spain. Focused on furniture, product and graphic design.

One of the things that I learnt while studying this master was how important it is to create models and prototypes that you can really see and touch. At the beginning I didn't like being working at the workshop, but right now, while working from Spain, the workshop is one of the things that I miss the most.



Johanna Lang - graduate of 2016
Art and English student in Brighton

Having studied Industrial Design at Jönköping University has been an amazing experience. Meeting people from other countries and cultures has made a huge impact on my life and I have definitely made friends for life. One thing I will always remember is all the time I've spent in the design studio. You are always able to find some of your classmates there, working on something, even in the evenings. Having dinner together late at night is something I will really miss, because it gave a sense of belonging. The opportunity to collaborate with companies during projects gives you a good preparation for your working life. I love the way everybody pushes each other to greatness and I would not change this experience for anything.



Marina Caballer - graduate of 2017
Prototype Engineer at Exeger, Stockholm

It was great to be part of the Industrial Design family! During those two years I shared projects, fikas, stress, dinners at the design studio and many other things with the rest of my classmates, with whom I maintain a very good relationship. My memories of those years are great and although there was a lot of hard work (a lot), it was also very fun. If I had to choose again, I would definitely choose it!

The students



Robin Hjortman



Xiaoqi Song



Pablo Calvin



Iñigo Garijo



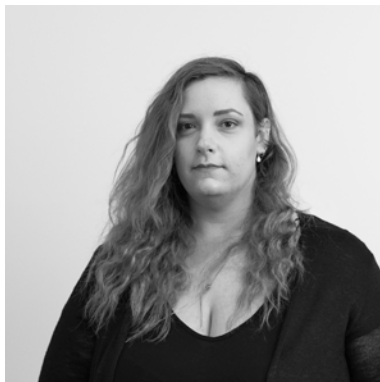
Moe Soheilian



Jonathan Dickèr



Olof Lundberg



Aikaterini Tsioutsia



Pontus Vargvik



ANZA SURFACE

Wide filling knife concept

Anza, part of Orkla House Care, is the leading producer of painting equipment in the Nordics. This project aims at modernizing the view and usage of the Anza wide filling knife with focus on ergonomics, equality and inclusivity. This to create a modern and lasting solution for amateurs as well as professionals.

An ergonomic study based on observations, focus groups and evaluations of mock-ups lay the foundation for the result, which offer guidance, support and information to simplify the use of a demanding task.

In collaboration with







COMMUNICATIVE WALL OVEN

The Concept Validation of a Communicative Oven Door

This thesis topic was created and assigned by one of the Saint-Gobain group's major Research & Development Centre at Chanteraine. The main research area of this R&D centre is related to the development of glass, thus the goal of this thesis is to provide a smart way of interaction on an oven door and to give full play to the potentials of the glass material, in order to maximum the value of the glass for the manufactures.

And the result of the thesis is a wall oven with a door which can be rotated and slid into the oven body, and also has a brand new solution of providing information to the users during cooking process through the oven door.

In collaboration with 
SAINT-GOBAIN





UPPLYFT

Concept for a Portable Assistive Lifting Seat

The work developed during this M.Sc. Thesis consists on creating a light, cheap, long-lasting and good-looking product that can assist people with help when standing up and sitting down. The main target group is elderly, and it is supposed to match with an existing family of products called OMTÄNKSAM.

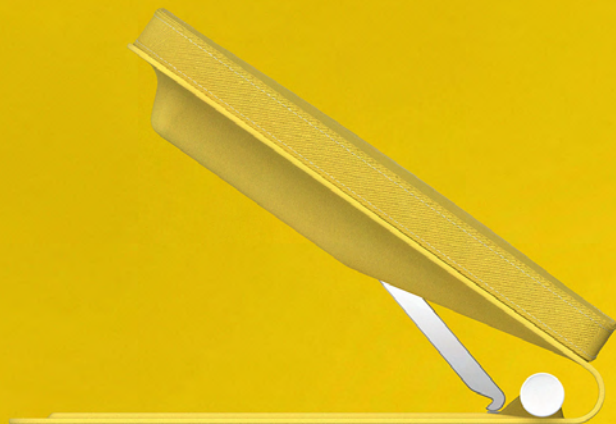
The project involves a multidisciplinary approach, going from ergonomics and anthropometrics to mechanical engineering and materials science but everything is coordinated from a Product Design perspective that matches with the Ikea's Democratic Design principles:

Quality / Low-cost / Form / Function / Sustainability

In collaboration with

IKEA

UPPLYFT





PERFORMANCE CASE

Performance Computer Case

The goal of this Master Thesis project is to design a computer case concept proposal for Fractal Design. This Swedish company manufactures and distributes computer cases and computer accessories. Their products are popular worldwide due to the strong brand identity and design.

The project had the aim to achieve an esthetic look for a new case line while maintaining the minimalist and Scandinavian style that Fractal is known for. The main characteristic regarding the design was the idea of PERFORMANCE.

This case's main objective would be, not only to perform well function wise, but to reflect this performance feeling and identity in its style. In a current market filled with obstructed panels and poor air intakes, this case would be a redesign of how the looks should enhance function, and not replace it.

In collaboration with







MoveFLOW Express

Next Generation of Self-checkout for Grocery Shopping

Grocery Shopping is one of the most important activities for people as they must serve their daily needs. Eventually, shopping behavior and process of shopping changes and people adapt themselves with new implemented technology trends. During busy hours, people stay in long queues order to check out and finish their shopping process, however, most of the hyper markets in Sweden benefit from utilizing Self-checkouts.

The main goal of this master thesis is to design a new Self-checkout system which is more intuitive, efficient and visually appealing to the users.

The result is a wall mounted compact kiosk with all of the required components for checkout process. Furthermore, it benefits from contactless payment system and implemented technology for mobile application utilities.

In collaboration with





CARPINTERIA

Beach Chair Inspired Seating Furniture

Since many people are living in small and compact spaces nowadays, there's a call for smart furniture that can be adapted to different situations. The furniture company Källemo AB have produced many classics since the early eighties. They collaborate with independent artists and designers, and strive for long-lasting products that can stand the wear of the eye.

This thesis consisted of designing a folding seating furniture for indoor use with inspiration taken from beach chairs, and based on Källemo's values. The result has a great identity and a boldness that goes well with the company's product line. With a clear hint to the beach chair and a simple folding solution the chair delivers both visual and practical values.

KÄLLEMO



In collaboration with

Carpinteria





FLEX

Concept Development of Cargo Management System for Private Cars

In a regular car the trunk is the given place for storing cargo such as shopping bags. A problem arises if the cargo is not attached properly because it can get damaged when driving and create disturbance when moving around. Existing solutions today are often complex, bulky or only made for specific car models.

The aim of this thesis is to develop a concept solution which adapts to the cargo without the need of active fastening by the user. The solution should also enable temporary removal, allowing regular usage of the whole trunk space. Furthermore, it should fit into various car models. The final concept is a design that fulfils these criteria.

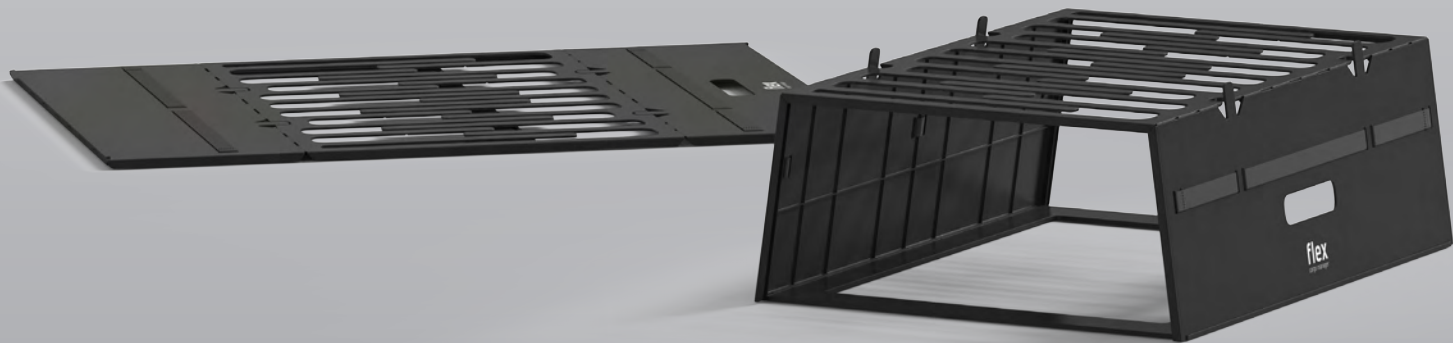
The thesis is made for the design consultancy Dacat and is not connected to any specific brand.

In collaboration with

dacat

flex

cargo manager





BioLumos

Design of a hybrid workspace luminaire

A lot of businesses nowadays, are exploring new ways to enhance their employees' performance and well-being, in order to achieve higher working efficiency. A great way to achieve that, is task-oriented lighting design in the workstation.

In collaboration with Glamox, a lighting company that specializes in providing lighting solutions to the professional market, this Master Thesis project pursues the design and development of a hybrid luminaire, that bridges a desktop tasklight and a free-standing luminaire.

A mix between the two, the final result is a personal workstation luminaire that fully illuminates the user's task area, has a direct and indirect light output, is easily controllable and highly adjustable to the user's needs, while incorporating the modules needed for tuneable white light. A modern, intelligently interactive luminaire that will revolutionize workspace lighting.

In collaboration with







ADAPT

An Adaptive Flight Cabin Luggage

Today's airline restrictions limit the available space of all, on flight, cabin cases. These restrictions limit how most cases can be used, and users have to compromise on their needs rather than product adapting to those needs.

The focus for this project was to create a luggage that offers more flexibility. The resulting concept, ADAPT, feature solutions that are compact and versatile in an effort to truly benefit the user rather than stealing package volume or adding substantial weight.

In collaboration with





On-going projects:



Dennis Lindberg



Petronella Lunde



Design of a Luxury Product with Integrated OLED (Confidential project)

Luflex, OLED light panels, manufactured by LG Display, possesses unique characteristics when it comes to the quality of light. The light source is a thin, lightweight and flexible surface. Luflex has the vision and the technology and are searching for creative minds to help integrating their technology into unique designs and new areas of use.

The aim of this project is to explore the possibility of integrating the Luflex into a new area of use, and by emphasizing its unique characteristics, design a product that creates a light sensation for the user.

The project is made in collaboration with Synowaytion GmbH, an Austria based design agency, and will be presented in September 2018.

In collaboration with





Design of a Lithium-Ion Battery Pack for Electric Low Voltage Forklift Trucks

Material Handling Equipment is today mainly powered by 150 years old technology of lead acid batteries. There are problems with this technology such as explosions, short life, low efficiency, and the batteries easily break. But thanks to lithium-ion technology there is finally a better way. Large International companies are now investing in lithium batteries instead of lead acid to gain productivity, efficiency and to become more environmental friendly.

The project goal is to contribute to a sustainable material handling industry by providing a full lithium battery solution for electric forklift trucks. The battery pack is designed based on user centric product development where ergonomics, user experience and user interface play's a fundamental role. The thesis is conducted in collaboration with Micropower Lionova.

In collaboration with



Thanks.



JÖNKÖPING UNIVERSITY

School of Engineering