

Greetings fuksi!

Greetings Fuksi!

Congratulations on your admission to Aalto University, School of Chemical Engineering!

Fuksi is a Finnish term for fresher, first-year student.

In addition to your studies, you will have an amazing fuksi year full of friends, celebration and teekkari culture. To make your first steps in your student life easier we have created the Fuksi Guide 2020 of the Association of Process Engineering Students. In this guide we will introduce you to Otaniemi and some of its associations, teekkari culture and the volunteers who are waiting for You. Take your time, read the guide carefully and keep it safe for later readings.

We are Valtteri and Laura but you can call us by our common name, ValtRa. We are Fuksi Captains of the Association of Process Engineering Students, in Finnish Prosessiteekkarit or PT for short. Our duty and pleasure is to be responsible for introducing you to student life and give you the best possible teekkari upbringing. If needed, you can contact us already in the summer but if not, we will meet at the Kick Start and Orientation week. But here comes the best part: We are not leaving you to survive by your own after Orientation week. No, we are here to help and support you for the whole year! Let's have an unforgettable time together!

So what is this "teekkari" we referred to earlier? Teekkari is a Finnish colloquial term for technology students in universities. Technology students in Finland have a very long and proud history and culture that is still very much alive to this day. Finnish teekkaris are well known for being very active, creative and we're also known for our humor that can be seen in the public stunts we've pulled over the years. In general the atmosphere in Otaniemi is very welcoming and all the students have a very strong feeling of togetherness. We're a community where everyone is treated equal, regardless of what they study, who they are or where they come from. Here, you can be just who you are.

During this year you will be introduced to many associations, organisations, guilds and clubs. First of all our dear home association PT. Feel free to try new things and enjoy everything Otaniemi has to offer! Student life is what you make of it and you'll only live it once, so make it count!

See you soon!

ValtRa, Valtteri Siira and Laura Lukkarila

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Fuksi Major's Greetings

Greetings dear student of technology, fuksi,

Congratulations on your admission to Aalto University! You have completed your entrance exam with distinction and it is time to turn your thoughts to the start of your fuksi year this coming autumn. I want to wish you a warm welcome to our wonderful Teekkari (Technology Student) community.

My name is Rudolf Nikander, and I am your Fuksi Major. My task, together with the Fuksi Captains and your tutors (ISOs), is to make your first year at Aalto University unique and unforgettable. I am a member of the Aalto University Student Union and I manage the Fuksi Committee (commonly known as FTMK), which consists of all of the Fuksi Captains from the associations that accept new science and engineering students.

Soon you will start a new chapter in your life. Studying at university is much different from high school. Academic freedom gives



you the right to decide on your studies and brings plenty of opportunities. However, it also requires you to take responsibility of you own education. You can decide yourself at what pace you want to study, but at the end of the day, you are responsible for their progress. It is therefore worth giving thought to your time management and motivation from the very beginning. In addition to science and technology students (Teekkaris), there are also arts and business students studying in Otaniemi. The united and multidisciplinary university, as well as the Aalto community will provide you with a rich and abundant selection of student and recreational activities to complement your studies. Everyone is sure to find some activity that interests them with a like-minded group!

The Teekkari culture has a long history and Teekkaris have had a presence throughout Finland over many years, especially in Otaniemi and Helsinki. Teekkaris have been based in Otaniemi since 1966. Outside of Otaniemi, Teekkaris are known amongst other things for their pranks (jäynä), tempaus and songs.



The tasseled community aims to evoke cheer and joy not only in itself, but also for those around it. The most prized distinction of a Teekkari is their tasseled cap (Teekkarilakki) which goes back to the year 1893. Teekkaris are known for cherishing their traditions but not without flexibility. In the end, Teekkari culture is made up of all the crazy and fun things that Teekaris happen to come up with. The Teekkari community into which you are warmly welcome is in many ways unique. The Teekkari culture promotes a sense of community and tolerance - Teekkaris accept everyone exactly as they are and don't leave anyone behind. The enthusiasm, culture and will to get things done which characterise the Teekaris, is reflected in their wide range of projects, in which doing things together, having fun and being open-minded play a big role. I strongly encourage you, dear fuksi, to mould the Teekkari activities in your own image. Otaniemi is a great place to try all kinds of new and wonderful things!

Fuksi development and upbringing has a long tradition in Otaniemi. My, and above all, your Fuksi Captain's task, is to help you begin your student life and guide you through the entire first year. During your fuksi year, you will be collecting fuksi points from various events and activities, these will earn you your very own Teekkari cap (Lakki). The fuksi points will introduce you to the Teekkari culture, our long-standing traditions as well as other students in Otaniemi, not to mention all the fun memories! The fuksi year will culminate in the largest and most revered event for us Teekkaris: Wappu, provided that I decide to organize one for you.

My most important advice for you, future Teekkari, is to encourage you to throw your-selves into the activities with all your heart. Get to know your Fuksi Captains, tutors, your coursemates and the other residents of Otaniemi. Beside studying, trying and experiencing new things together and building friendships are some of the best opportunities our university can provide you during your time as a student. Your guild, the Fuksi Committee and countless other people and organisations create the framework for the activities, but you decide yourself how you want to shape your time as a student. A once-in-a-lifetime year awaits you and I recommend that you make the most of it! I am in the privileged position of accompanying you and your fuksi comrades on your journey to becoming Teekkaris. You are welcome to come and chat with me whenever you wish, I hope to get to know you too.

Wishing you an unforgettable fuksi year!

Rudolf Nikander

Fuksi Major '20



Phuxivator's Greetings

Hello

First of all I want to congratulate you on your admission to Aalto University. You have done a wonderful job! My name is Sara Salminen and I am the Fuksi Captain of Teknologföreningen, also known as Phuxivator. My main task is to take care of the fuksis of Teknologföreningen.

Teknologföreningen, TF, is the Swedish speaking student nation of Aalto University. To become a member of TF you only need to have an interest for the Swedish language, TF is for everyone despite mothertongue or study program. I wish you take the chance during the first few days of Orientation Week to follow your tutors to TF's house Urdsgjallar. Feel free to contact me if you want to know more about Teknologförenin-

gen and what we do, or come visit me at Urds!

You have a fantastic year waiting for you, the fuksi year is one of the most memorable ones of your time at Aalto. Remember to rest and enjoy summer. Many things are happening right at the start, and I recommend you participate in everything. That way you will be introduced to the other fuksis and older students. You will also have to collect fuksi points to be able to receive the Teekkari (technology student) cap if Wappu, provided that the Major decides to organise it. I am sure Valtteri and Laura will take great care of you, but remember that I am always here for you as well. Make sure to read this guide thoroughly as it contains valuable information.

See you in autumn!



Sara Salminen Phuxivator '20

San Sain

Greetings of the head of Chemical Engineering major

On the behalf of Chemical Engineering major and our School with the same name, welcome to Aalto University! We are very much looking forward to meeting you and working with you in our courses. We hope and expect that you can find many topics during your path to a Chemical Engineering expert, which are both inspiring due to what they reveal about the nature around us and motivating due to their practical relevance. You will get an exciting combination of courses related to basic natural sciences, computational sciences, and their applications towards chemical and biological engineering systems. This will enable you to become an expert in various fields of your choice and to help solving the big challenges that our society is and will be facing. You will be a part of our stimulating community of students and university personnel, and we hope that besides intensive learning you will use this important period of your life also to connect with other students and make new friends. There

are many opportunities for this, for example via the Association of Process Engineering Students and other societies, and via our many common events!

Michael Hummel, Head of the major 2020-Ville Alopaeus, Head of the major 2018-2020





Director of the Degree Programme's Greetings

Congratulations on your admission and welcome to Aalto University!

We are excited to have you in our Bachelor's Programme in Science and Technology, designed to respond to the growing digital transformation of our society and to groundbreaking advances in engineering, automation, chemical engineering, quantum technology, information sciences, computation, and artificial intelligence.

Our program is fully taught in English, acknowledging the truly international environment of Aalto, bringing our international faculty closer to students, and opening Aalto's doors to talented and motivated students from all over the world.

We are a leading research institute, hosting several top-notch research groups and word-class research infrastructure. Our excellence in research provides also a stimulating education environment where top faculty teaches what they are passionate about, inspiring students and opening new horizons.

Starting a University degree poses new challenges: you need to be more independent, responsible, and self-driven. Your new path can also be a highly satisfying experience: in addition to deepening your knowledge in basic studies, you will obtain the opportunity to think about real-world problems that impact our society, and come up with your own ideas, solutions, or projects.

We encourage you to stay focused in your studies and to build a solid foundation of mathematics, science, and technology, which can support you in your future academic endeavors for the rest of your professional career. On the other hand, keep in mind that technology is progressing at an extremely rapid pace and many of the technical skills that you will acquire today may not be relevant in five or ten years from now. To prepare for the unknown future challenges we guide you to approach your studies with a problem-solving attitude. Foster your curiosity, intellectually challenge your teachers and your peers, and seek for creativeness. Do not hesitate to pursue your own ideas, start projects with your classmates, and go out of your comfort zone. The time at Aalto is the time you become a game changer at heart.

Most importantly, have fun! Great things happen when you enjoy what you do and feel good about your choices. As the happiest country in the world, Finland holds great potential in offering you also this momentum.

Yours,

Mikko Möttönen Programme Director









Welcome to TEK Community

Congratulations - you have made a great choice by choosing Aalto University as a place to study! You have awesome years ahead. Take full advantage of your time the university and enjoy especially the "Teekkari community"!

Academic Engineers and Architects in Finland - TEK, founded 120 years ago, is your professional organisation. There are about 72 000 of us.

As a student member you get nearly all membership benefits for free, such as internship hunting advice, trainings, networking events, salary counselling, employment counselling and multiple benefits and discounts.

Read more and join us:

www.tek.fi/opiskelijat

Best regards,



Eero Järvinen Student Liaison eero.jarvinen@tek.fi +358 45 111 4650



Jani Anttila PT TEK contact person jani.anttila@aalto.fi +358 45 123 8785

Ps. Student membership is free of charge!







Chair of the board

Greetings upcoming fuksi!
Congratulations on your new place in Aalto
University's School of Chemical Engineering! You are joining a group of professionals in Finland's best polytechnic university, and an Aalto community that provides
endless possibilities for expressing yourself. This begins your fuksi year full of incredible events, people and communities.
The fuksi year is a unique chance to experience new and exciting things, so I highly
encourage you to make the most of it! Us
at the Association of Process Engineering
Students will make sure that your fuksi
year will be an amazing experience.



The Association of Process Engineering Students (Prosessiteekkarit in Finnish, PT for short) is a student association in the School of Chemical Engineering that was formed in 2012 due to the merging of three programmes. Acting under the Aalto University Student Union with over 600 members, PT welcomes all new students in the School of Chemical Engineering and gives them the proper introduction to teekkari culture, Aalto community and student life in general. Besides this, the association promotes the interests of its members both at the university and Aalto level, and works alongside several different actuators to further improve our operations. The association hosts a wide array of events, such as sauna evenings, business events, evening hangouts, academic table parties, gaming, sports and culture events. The association has a wide network of connections to companies in the field, with which we host plenty of corporate events such as company visits, plant tours and case-nights. Corporate events



provide an excellent view into the corporate world and you may be able to get valuable connections to the working life through them.

The association has its own hangout spot in the university's building, the Process Room, where every member can come and spend time at, meet friends, drink free coffee or play video games. The Process Room is an excellent venue for meeting new people, as it is brimming with students in the field from fuksi to old timers. At the Process Room you can also purchase association merchandise, such as patches, stickers and other possible association swag whenever a member of the board is present.

Welcome to hang out, relax or have a cup of coffee at Process Room for example after lectures or whenever you want or can! Process Room is located on Kemistintie 1 D 2. The association runs solely on voluntary work, which is orchestrated by an 11-headed board, under which almost a hundred volunteers work. The board members are responsible for the planning of operations and administrative affairs, and the volunteers work alongside them to make these plans come to life. Ideas are always welcome, and you can share your ideas for events or other activities! Anyone interested can become a volunteer, since there's always something we need help with. Continuous improvement of our association is vital, as every year we have almost 200 new student altogether, of which this year we have 35 English Bachelor's students.

Even though we're relatively young on the Aalto level, we have already amassed amazing history and traditions. Every fuksi year is different, full of wonderful individuals and personas, and every fuksi year makes the association look a bit like themselves. That is why I highly recommend you to be an active member of the association, as the association's goal is to serve its members, and you alongside your fuksi colleagues can make a great impact on the association's future! Our wonderful community is very open, and everyone is more than welcome to join in on the fun!

As a close I'll once more encourage you to be open, meet new people, be active and stay curious during your entire fuksi year. You can and always should ask, if something is bothering you, as there's a high chance someone will know the answer. With us, you don't have to be alone, but be a part of a great community, The Association of Process Engineering Students.

Eagerly waiting for the fall!

Juhani Rahikka @juhikka Chair of the Board The Association of Process Engineering Students

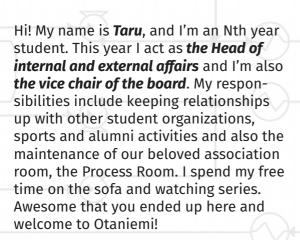


Process Room seen from the inside. On the wall is shown the PT's logo, Bourdon pressure gauge which is used to measure pressure from different processes!

The Board Introduced



Hello! My name is *Juhani* and I'm an Nth year chemical engineering student in the Chemical and Process Engineering major. This year I act as *the Chair of the board* for the association. My responsibilities include administrative tasks, hosting meetings, developing the association's activities and guiding my board and making sure they are well. In my free-time I like to cook, go to the gym and listen to music. More often than not you can spot me at the Process Room hanging out, so feel free to come talk to me if you have any questions or just want to have a chat!







Hey everyone! I'm Janika, and I'm an Nth year student and this year's Spokesperson-secretary. I send the weekly newsletter to our members, which tells you about the current student activity in Otaniemi. I write the minutes from the board meetings and I'm responsible for our social media accounts and magazine, Proteesi. I spend my free time with my dog and I like to bake and watch series. See you in autumn, and remember to make the most out of your unique fuksi year!

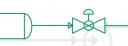
Hello and hi everybody! My name is *Nina* and I'm an Nth year chemical engineering student and a second year art education student. This year I'm *the treasurer* in the board of PT. Basically I'm handling all the tasks regarding money in our association. I'm also responsible for the list of our association members. In my free time I like to paint, read and hang out with my friends. I wish you all a wonderful fuksi year and can't wait to see you in the autumn!







Hello! My name is *Julia* and I'm the Head of Study Affairs in the board of PT. Basically this means gathering feedback about our studies and attending meetings with the University. Let me know if you have any questions about the degree or you want to give feedback about courses. During my spare time I like to watch series and play board games. Have a great fuksi year and let's meet during the orientation week!











Hey, my name is **Arvi**, originally from Helsinki and I started my studies in Aalto in 2018. I am **the International officer** of Prosessiteekkarit for the year 2020, and I work very closely with exchange and English bachelor students. My goal is to unite cultures and languages in our school and to make everyone feel welcomed to join us at PT. I study Chemical Engineering for my third year, and I am keen on travelling and listening to music. Congratulations on starting a new chapter in Aalto! See you in autumn.



Hi! My name is **Atte** and this year I act as **the Host** of the board. With the Hostess I'm responsible for planning and executing various events from bigger sitsit to smaller get-togethers. During events you can find us in the kitchen and the most important thing for us is that you have fun and feel comfy! In my free time I scroll through Netflix and spend time with my bros. Have an unforgettable fuksi year!







HelloHello! I'm *Olli* and I act as *the Hostess* of the board. My task is to organise all kinds of events with my other half the host. We organize sitsit, sauna evenings, social evenings etc. Usually you can find us from the kitchen making food or washings the dishes. Along with board task and school, I like to spend time at the Process room, jog or cycle. Travelling and scouting are also important parts of my life.



Hello! My name is **Sasu** and I am **the Head of Corporate relations** in the board. My job is to manage our relations with companies. I also arrange corporate related events and new overalls for all of you fuksis! In my free time I compete in golf and actively do sports. In Otaniemi one can find me either in an event or in the gym. See you in autumn, on excursions or in events! Welcome to Otaniemi!





Greetings from Tutor Officer

Cheerio and congratulations of becoming a Chemical Engineering student!

I am Tella, originally from Tuusula but nowadays I live in Teekkarikylä near the campus. I am studying process engineering for the third year.

I am also the woman in charge of the Finnish tutors called ISOs. This means I have had the pleasure of meeting some of your future tutors already in the interviews. I recruited the Finnish ISOs for the year and from now on I will be coordinating them. We are going to organize events with Arvi (your International Officer) where you can mix and mingle with other fuksis.





ISOs are just like your tutors just guided to the Finnish students. Both will do exactly the same stuff for example taking you around the campus, helping the students with accomodation, getting their travelcards, course registrations and of course getting to know the teekkari culture.

Tutors will also become friends with you during the course of the year and are very valuable contacts and maybe colleagues or lab partners one day. So I give a strong recommendation to get to know them (ISOs and Chemicals Engineering tutors) and to ask a lot of stuff to get the most out of the whole tutoring. Tutors as well as ISOs know what to do.

Hopefully we will see each other soon.

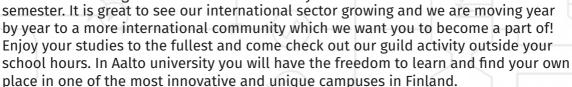
Tella Taskinen Prosessiteekkarit Tutor Officer '20 **Greetings from International Officer**

Hey and congratulations on my behalf on starting your studies in Aalto university in the year 2020!

My name is Arvi, and I am the International Officer of the Association of Process Engineering Students. That means I am all about helping students from abroad to settle down in Finland and to give them a good start of their studies here with us.

I want to welcome you to be a part of us chemical engineers and to join the big PT-family. During the year we will host a wide range of different events ranging from formal table parties to various events including sports or other teekkari related stuff.

Our international sector of School of Chemical Engineering consists of English bachelor students and exchange students who arrive every



Welcome to Otaniemi

Arvi Heinijoki International Officer 2020



PTFTMK'20 planning your upcoming fall with passion!



Study Corner

This section on studies, intended for students starting in 2020, will introduce you to the most important information systems, schedules and support services related to starting your studies and studying at Aalto University in general.

What is my bachelor's programme?

The Aalto's Bachelor in Science and Technology Programme is regulated by the Science and mutually organized by other Aalto Schools of technology (the School of Chemical Engineering, the School of Engineering, an the School of Electrical Engineering). There are 5 majors from the programme: Chemical Engineering, Computational Engineering, Data Science, Digital Systems and Design, and Quantum Technology.

The contents of your studies depends on the major that gained admission to. Students in all majors are required to complete a 65-credit core curriculum, referred to as basic studies, which focusses on mathematical and computational methods. The degree programme also includes 65 credits of studies towards the major, 20–25 credits of studies towards the minor and 25–30 credits for electives. Once you have completed all these elements, you will be awarded a Bachelor of Science (Technology) degree worth 180 credits.

Orientation week

Your studies will begin with an orientation week, running from Monday 31 August to Friday 4 September 2020. Orientation week will give you additional information about your programme and about Aalto University as an academic environment and student life on campus. Orientation week gives you a chance to get to know your new fellow students and the staff of the programme. During the week, you will be assigned to a tutoring group to help you get off to a good start with your studies. The orientation week schedule will be published during the summer at: https://into.aalto.fi/display/enbsctech/Starting+your+studies.

This year the orientation week will, for the most part, be organised online.

Timetables of the academic year

The first courses will start on Monday, 7 September 2020. Teaching in the academic year 2020-2021 is divided into five seven-week periods. The final week of each period is an evaluation week reserved for the finalisation of coursework, presentation of course results and evaluation of student performance with various methods. Classes may also be held during the final week.

In addition to the evaluation weeks, additional evaluation periods will be organised outside the teaching periods.

The teaching periods and evaluation periods

Autumn term 2020

Teaching and evaluation periods	Time	Week numbers
First evaluation period; orientation	31 Aug – 4 Sep 2020	36
Period I and evaluation week	7 Sep - 23 Oct 2020	37-43
Period II and evaluation week	26 Oct – 11 Dec 2020	44-50
Second evaluation period	14-18 Dec 2020	51

Spring term 2021

Teaching and evaluation periods	Time	Week numbers
Period III and evaluation week	11 Jan – 26 Feb 2021	2-8
Period IV and evaluation week	1 Mar – 16 Apr 2021	9–15
Period V: multimodal period**	19 Apr – 4 Jun 2021	16–22

Summer courses are subject to separate guidelines.

- ** Multimodal periods are periods in which diverse forms of teaching are implemented, for example:
- ·Six weeks of teaching, including an evaluation of learning
- Intensive studies of varying lengths
- •A project course, beginning as contact teaching and continuing as a summer project
- Summer schools

Timetable

As a first-year student, or fuksi in Finnish, you will be provided with a model timetable (or recommended study schedule) covering the courses that you are recommended to take in the first academic year. You can find the timetable on the programme website before the start of the academic year, and it will also be handed out to you on one of your first days on the Otaniemi campus. If you follow the model timetable, you will earn the recommended amount of 60 credits in your first year. The first-year curriculum includes basic courses in programming, mathematics, industrial engineering and management, as well as a compulsory Introduction to Studies course and language courses. You should be prepared to work hard and invest time in your studies, because studying at the university level is different from studying at upper secondary school and requires more independent work.

Course registration policy

You need to register for each course you want to take. This is usually done online using the student register WebOodi; any courses that require different registration procedures will mention this on their course homepage found on the MyCourses portal.

Once you have registered for a course, you are also registered for any interim tests and for the final examination. Any different procedures are usually specified at the start of the course in class and on the MyCourses portal. If you are unable to attend an examination that you have registered for, please be sure to cancel your registration on WebOodi.

Each course is worth a specific number of credits, which will be entered into your student register when you have passed the course. By definition, 1 credit is equivalent to 26.7 hours of student work. Finnish credit system corresponds to ECTS system. (1 credit = 1 ECTS)

MyCourses.aalto.fi

- Your one-stop site for all course descriptions and practical course-related information
- With MyCourses you can copy or print lecture slides, practical training assignments, class handouts, etc. You can also check out your examination scores.
- Teachers can use MyCourses to collect and evaluate assignments online.

As first-year students tend to take the same courses, why not make the most of it by studying together? Many problems can be solved more easily by putting your heads together with your fellow students. Studying together is also much more fun, and working in a group can mean you're less likely to go off on a tangent.

Completing courses

Course teaching methods vary and may include lectures, math assignments and group exercises or projects. Generally speaking, the first lecture will cover all the practical matters needed to pass the course (registration, examination, assignment, study material, course completion), so you have good reason to be there! Though lecture attendance is usually not compulsory, it is definitely beneficial from a learning standpoint. Many courses have assignments, and in some cases they are compulsory. In other courses, you can do assigned work for extra credit to supplement the total points received on interim tests and the final examination. Whatever the case, maths exercises are always important, because they give you the opportunity to apply what you have learned in practice. In-class exercises in mathematics, called laskarit, include reviews of the subjects covered in the lectures. The exercises are often given out online in advance. In some courses, the maths exercises can also be completed as online assignments.

Into

Into is the Aalto student portal for information on studies, university services and other matters relating to your future alma mater. The site is also a central hub for relaying Aalto news and current events information on to students. To get into Into, go to https://into.aalto.fi/display/en/.

Support and advice for studies

Studying at university requires more independent work than in high school or upper secondary school. As an adult, you are expected to learn how to find the information you need on your own. Fortunately, there are many sources of help available. An academic advisor is assigned to every first-year student for the duration of their bachelor's studies, that is, the first three years. Advisors arrange both group and individual meetings with their students. Academic advisors belong to the university's research and teaching faculty, usually as professors, associate professors or university lecturers. Academic advising is a form of guidance aimed at developing the student's own initiative and goal-setting, and at giving students the chance to get to know at least one academic staff member a bit better. During first-year studies, academic advising is a part of the Introduction Course for Bachelor's Students.

You can always turn to student services if you are unsure about where to start or whom to ask about something. The coordinator and planning officer of the programme, as well as other student services staff will be happy to help. Student services can assist you with matters involving:

- questions related to studies
- approval of your personal study plan (HOPS)
- graduating with a Bachelor or Master of Science (Technology) degree
- getting transcripts of records or certificates of student status
- registration for the academic year
- tuition-fee payments
- student exchange
- transfer of credits

In fact, student services can assist you with almost anything related to your studies, and if not, they can probably direct you to someone who can.

Student services for all majors of the Aalto Bachelor's Programme in Science and Technology are located in the Computer Science building, floor 1, corridor B. They can also be reached at bsc.tech@aalto.fi.

Links

- Contact information: https://into.aalto.fi/display/enbsctech/Contact
- Aalto Bachelor's Programme in Science and Technology: https://into.aalto.fi/display/enbsctech
- Curriculum: https://into.aalto.fi/display/enbsctech/Curriculum+2020-2022
- Into: https://into.aalto.fi/
- MyCourses: https://mycourses.aalto.fi/
- WebOodi: https://oodi.aalto.fi/a/
- Examination archives: http://www.tenttiarkisto.fi/

Basic studies 65 ECTS

- mathematics 25 ECTS
- programming/IT 25 ECTS
- language and general studies 10 ECTS
- industrial engineering and management 5 ECTS

Minor studies 20-25 ECTS

Major studies 65 ECTS

Bachelor's thesis and seminar 10 ECTS

Elective studies
25-30 ECTS

First Autumn Studies in the Chemical Engineering major

Introduction Course for Bachelor's students (I-V)

The course aims to offer all the information necessary for success in studies at Aalto University.

Introduction to Industrial Engineering and Management (I-II)

Having completed the course the student has better ability to understand and asses business opportunities, to plan and asses business processes and to analyze the financial status of a company.

Principles of General and Organic Chemistry (I)

The first basic course of Chemistry.

General Chemistry Laboratory Course (II)

Second course of chemistry. Course deals with the basics of chemistry: molecular orbital theory, structure and reactivity, physical chemistry and reaction mechanisms.

Matrix Algebra (II)

After completing the course the student has better ability to undestand vector computations, matrices, systems of linear equations and eigenvalues.

Differential and Integral Calculus 1 (II)

After completing the course the student has better ability to understand sequences, series, power series, derivatives and integrals and basic types of differential equations.

Basics in Programming Y1 (I-II)

After the course student can implement small programs using Python language and can apply basic programming concepts in solving small programming problems.

Feelings from the fuksi year

Hey!

First of all, congratulations on your admission and welcome to the Association of Process Engineering Students!

We are Viti and Inkar, the fuksis of the year 2019 and tutors of newcomers of 2020. You might be feeling a bit nervous right now, but there is no need to worry as we are excited to share our experiences and help you to make your fuksi year as enjoyable as possible.

On orientation week, you will get to explore the campus and experience the first beat of teekkari culture by attending fun events and getting to know other fuksis. The whole year is going to be eventful, and it will most likely reach its culmination on Wappu unless there is a global pandemic. ":D" There are a lot of different student activities in Otaniemi, and anyone can find something that fulfills their passion and interests. Make most of your time here by balancing student life and academics in a way that sparks joy!

So be ready to party, sing at sitsit, and dance during Cancan until the wheels fall off. Open your mind to teekkari culture and you might stumble upon something you truly enjoy!

All the best for your fuksi year!

Inkar and Viti Fuksis '19





Hello and welcome, new fuksi!

University begins a new chapter in your life. With it comes tons of new responsibilities but also loads of fun! Luckily, CanCan is a prime example of the latter!

What is CanCan? It's a dance group made of PT fuksis. However, actual dance skills are not important at all. Instead the group focuses on having fun and creating good atmosphere, so you should check it out! The choreographies are made by you (Youtube tutorials are usually a good friend) and you get to decide your own rehearsal schedule. Usually training is dictated by the amount of shows.

Studies are not in the way of dance! CanCan is more of a way to get your brain out of study mode and into fun mode. The best memories of the fuksi year are often related to CanCan, and you can spot dancers from the years before in the front row when it's show time! Everyone is welcome, so don't miss this chance!

Jussu & Henrietta

CanCan responsibles '19







From the Sports responsibles

Greetings PT Fuksi!

Congratulations on your admission to Aalto University. We are Linh, Eino, and Peetu, the Sports responsibles for the Association of Process Engineering Students. As a group of second, third, and fourth year students, we strive to organize physical activities for PT members alongside your studies. The fuksi year is going to be busy with new experiences and schoolwork. Therefore, we want to give you the opportunity to exercise and to keep your mind stress-free.

Our main goal is to provide our members various opportunities to exercise. For example, we arrange sport tryouts, you can explore different types of sports, meet new friends, and even find your new favorite sport. Last spring, Tietokilta (Computer Science guild or TiK) and PT organized Kesäkuntoon 2020, Summer Fit Campaign, to help members get ready for summer with different tryouts such as Kung-Fu, Skiing,



Yoga, and Pair-dancing. Furthermore, our CHEMeleons team involves in a few leagues where you can play against other associations in Aalto in different ball sports. We also organize badminton sessions for our members on regular basis, and we have a weekly session with TiK for more casual playing. Everyone is warmly welcomed to the sporting events regardless of prior experiences, only passion for sports and curious mindset is needed!

There are plenty of great possibilities to exercise in Otaniemi. Local Unisport offers good facilities for group exercises and gym, with possibility for ball games. Outdoor activities are great, since we have an outdoor gym, few tennis courts, basketball court and sports field. We also recommend exploring various associations of the Aalto community and what they offer, everything from pole dancing to american football.

Remember to get the most out of the sporting activities offered. If you have any suggestions and ideas for activities, feel free to contact us. Exercise should be part of everyone's daily life, so feel free to join!

Lastly, warmly welcome to Otaniemi. See you in the autumn!

Peetu, Linh and Eino Sports responsibles





NO BRAIN, NO GAIN!

Student-priced versatile sports services near you!

KESKUSTA • KUMPULA • MEILAHTI • OTANIEMI • TÖÖLÖ • VIIKKI



At UniSport, you have access to five highquality gyms, almost 40 different group exercise classes and opportunities for ball sports training.

The first visit is free. Welcome!

UNISPORT.FI



Greetings from recently graduated

Dear fuksi, you are about to begin a journey which will change the rest of your life, so I recommend to prepare well and enjoy the ride. When I was a fuksi, I could not imagine what the coming year would bring or how I could apply these skills in the work life or life in general. How did this happen? To be honest it was partly by coincidence and partly with good planning.

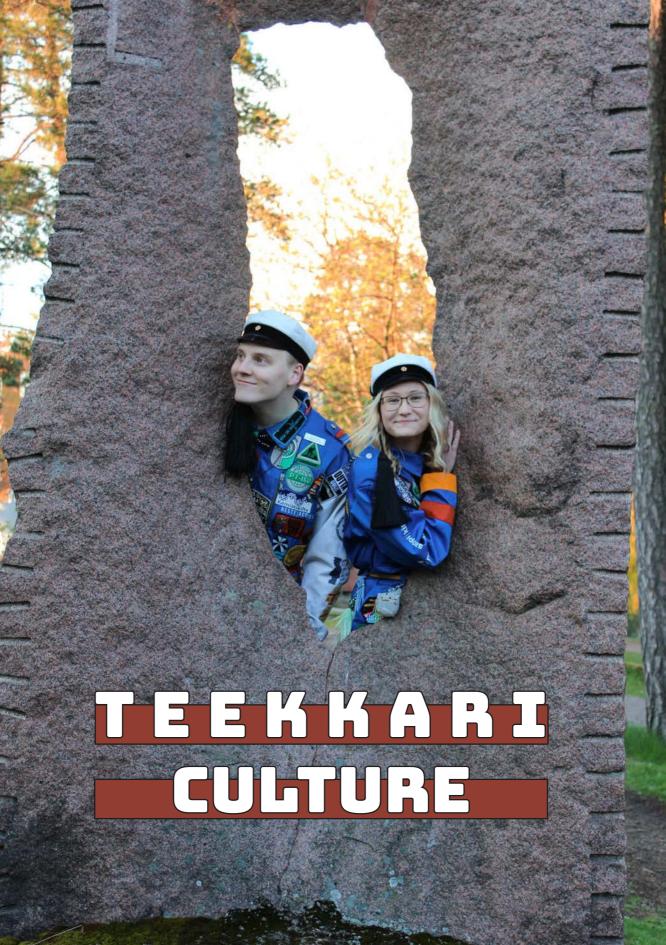
I found my own path from the Association of Process Engineering Students already in my first year in 2013. Encouraged by this I had the courage to challenge, train and find myself better through the studies. From volunteering I got good balance for studying which is very important. This also goes for later in the work life. ProTips for the studies and work life:

- Find your own path, enjoy your student time the bottom of your heart, because these few years fly by surprisingly fast. This is an extraordinary time of your life and there might not be anything like that after this.
- Study hard, but not too much. I know this is difficult, however there is a difference between passing the courses and learning. The most important thing is not just what you learn, but that you learn to learn and seek information and to think and interpret it critically.
- Have courage to create something new and appreciate the old. Do not be afraid of failure, it is usually the best teacher and you can always try again.
- Feel free to meet new people because no matter what comes up in life, with support of good friends nothing is impossible.
- · Take care of yourself and each other.

- Think about what you want to do in the future and aim for it. It does not matter if you do not know what you want to do after a few years of studying. Do what is interesting and useful for you, know your skills and make the most out of them. The whole world is open to you and it is never too late!
- Congratulations and good luck with your studies!

Best regards and good luck Janne-Joonas "J-J" Tiitinen Master of science (Student spirit is eternal)





Teekkari Culture

Teekkari means a technology student in Finland. Being a teekkari is about togetherness, guild, association and student activities, respecting traditions and innovating new things. There's no one way to be a teekkari: you'll find your own place when you look around you! The next pages introduce you the characteristics of Teekkari Culture.

Teekkari Cap

One has been able to recognize a teekkari by their cap for over 120 years. The teekkari cap resembles the Finnish cap given to all upper secondary graduates but is everything but that: It has six corners and a black tassel attached to it that hangs over the right side of the cap.

A fuksi can put the teekkari cap on for the first time at midnight of the (possible) Wappu. This is a celebratory moment, as in order to earn a cap a fuksi has to collect enough fuksi points. Teekkari cap is a summer cap meaning that the main usage time for it is 1.5 - 30.9.



"In Finland everyone gets a white cap. The most deranged of them are marked with tassels."

Overalls

In addition to their tasseled caps, you can recognize a technology student from their overalls. The tradition of overalls arrived in Finland in the beginning of the 1980's from Sweden and through technology students the overall culture has spread all around the Finnish academic world. Every guild has their own overalls, and ours are blue with red, blue and yellow stripes on the arms and legs. The overalls are worn with pride for your own field of study and they are usually embellished with patches.

Often the members of PT change one of their sleeves to a sleeve of some old CHEM guild. That way student can show their interest in guild or in some major subject or study track.

It is also normal to modify overalls differently, for instance Valtteri has changed his sleeve with a sleeve of our sister guild from Oulu, Process Guild.

*Fuksipoints are collected to fuksi point card by participating events and exploring teekkari culture during the first year. The fuksi point cards will be handed to the fuksis during the Orientation week. You can read more about fuksi points at

https://prosessiteekkarit.fi/en/fuksi-points/







Sitsit and Singing Culture

At sitsit, or academic table parties you eat and drink well, but the majority of the evening's programme is singing. A technology student is well known for singing rather than singing well, so there's no need to be shy about your singing abilities. The songs are traditional technology student songs or general Finnish academic party or drinking songs. You don't have to remember the lyrics by heart, as the lyrics can be found in the technical students' songbook. There is also an International songbook that has a lot of songs in English. At sitsit, the dresscode is usually dark suit for men and a corresponding equivalent for women. There are also themed sitsit where you might party in a toga or in your overalls. Associations also have annual balls which are essentially a more dignified version of sitsit: Men wear a white tie and women wear a long evening dress.





Polytechnical Students' Museum

Founded in 1958 Polytechnical Students' Museum is the oldest and the only museum that exhibits the cultural history of students in Finland. The museum's main task alongside collection and recording is to display traditions for the community and the outside world. The museum is located in Teekkari Village, Otaniemi.



Tempaus

Tempaus is a way for students to affect current affairs. A Tempaus is called to action by a man shrouded in mystery and known only as the "Jämeräpartainen" (Stout Bearded) Engineer. The command obliges all students to join in on the Tempaus with their own contribution. Although Tempaus is considered as something teekkaris are used to do, students of arts and business have also had their own variants of Tempaus before Aalto University. Nowadays Tempaus is for all Aalto students and there has actually been two tempaus in the history of Aalto. For example in 2016 Tempaus was to raise awareness of the importance of good basic education by visiting over 1500 elementary schools. Join Tempaus if it is to happen while you study!

Wappu Magazines

Wappu magazines are teekkaris' own Wappu releases which are released around a week before the possible Wappu. The magazines are Julkku (on even years) and Äpy (on odd years), released on alternating years. You can also sell Wappu magazines yourself if you wish!

Previous Äpy was released 2019 when the release was Nature Äpy.



Jäynäs - Practical Jokes

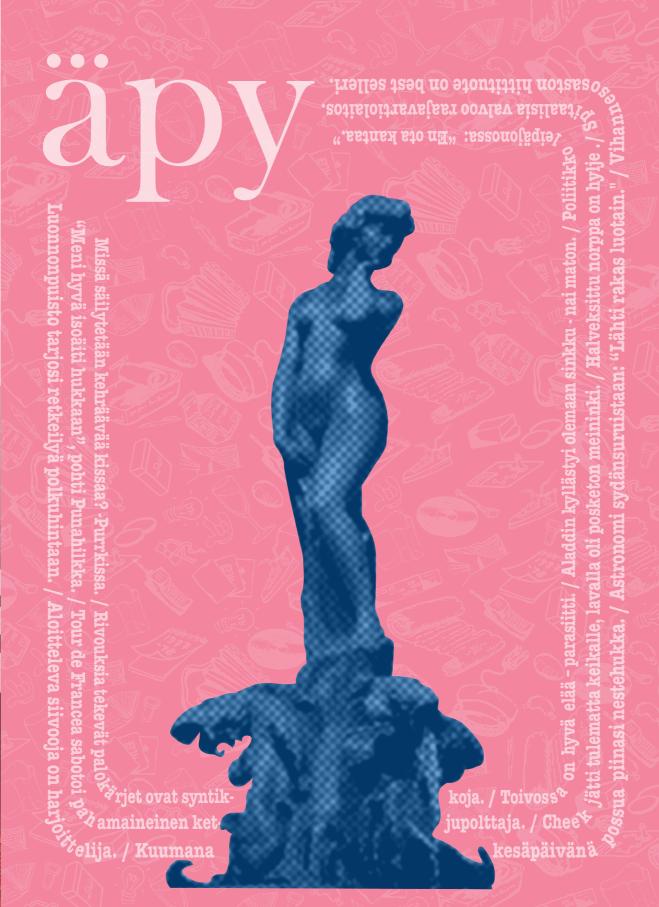
Teekkarijäynä (teekkari mischief) is a practical joke or event that's meant to cause elation in the pranksters, the group being pranked and the general audience. One of the most well known teekkari mischiefs includes a joke pulled in 1961 on the front of Stockholm. A group of teekkaris visited Stockholm before the recovery of the sunken Vasa ship and hired a professional diver to hide a miniature version of Paavo Nurmi statue on the ship's deck. The statue first caused a maritime archaeological sensation and afterwards a small foreign policy conflict.



"Regardless of the nature and the target of a teekkari mischief they have never been crude, violent, alcohol or any other drug fueled rackets or outrages. They have always had a humoristic background melody and their purpose has always been to cause unexpected joy for you, the targets and everyone who hears about it later. A real teekkari mischief was, and probably still is, slightly impish, usually bordering suitableness but never heavy pornography, serious politics nor seriously offensive to anyone. We put a lot of effort into causing a small, unconventional moment of happiness."

-- Ossi Törrönen









Founded in 1975, Aalto University's mixed choir Dominante is an active and ambitious ensemble in the field of Finnish choral music.

More information on www.dominante.fi









TEEKKARISPEKSI - A MUSICAL MADE BY OVER 100 ENTHUSIASTIC AALTO STUDENTS EACH SPRING

Music - Lighting - Sound - Set design - Costumes - Graphics - PR



TEEKKARISPEKSI!

Our productions have been so far only in Finnish, but PLEASE CONTACT FOR FURTHER INFO - TEEKKARISPEKSI.FI



Huutista Asgrymt Very nice

Torven-tööt Tut-i-horn Horn-toot

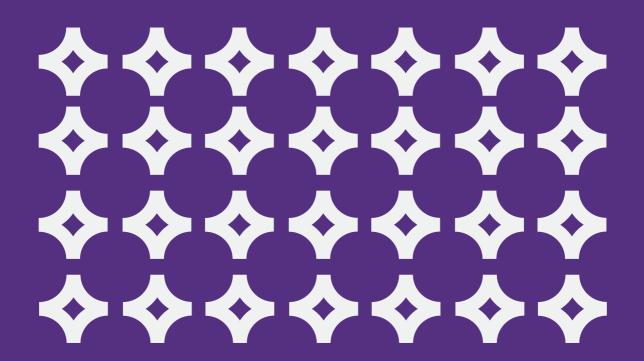




Humpsvakar.fi

QYY

Aalto University Student Union









Welcome to Aalto University and







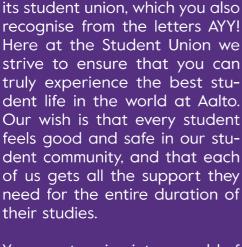












You are stepping into a world of endless opportunities. We urge you to explore, be curious, innovate, learn, and enjoy your time at Aalto. Don't be afraid, even though finding your own place and passion can sometimes be challenging. We are here to help and support you in all of your challenges.

Let's keep in touch!



Board Member (New Students and International Affairs)



What is AYY?

As a student of Aalto, the Aalto University Student Union (AYY) is your student union. AYY brings together about 14,000 students of arts, design, business, and technology. We work to ensure the well-being of all our members and to develop Aalto's teaching and student life.

As a member of AYY, you are entitled to numerous student union services and student discounts both in the metropolitan area and throughout Finland. As a student of Aalto, you will also have the opportunity to participate in activities and events organised by AYY and the 200 student associations operating within AYY.

AYY in Figures

- 14.000 members
- · 200 organisations and associations
- 40 employees
- 10 full-time board members
- hundreds of volunteers



Communication Channels

You can find comprehensive information about all of AYY's services and opportunities at AYY.FI.

Facebook: Aalto-yliopiston ylioppilaskunta - AYY

Instagram: AYY_FI
Twitter: AYY_FI



Dear first-year student,

this spring with the coronavirus has shaken the whole world, but you will have perhaps even a more significant change ahead of you. It is time to step into the academic life. Our Aalto community offers something for everyone, and I encourage you to be open-minded. Get to know new people, participate in events, and join interesting projects. We do not know where it will take you, but I guarantee that you will not regret it. Personally, five years ago I could not have imagined that I would be writing this text now.

However, now it is time to take a breather. Enjoy the summer and relax properly, all of us have earned it after this spring.

See you in the autumn!



Board Member (Academic Affairs), Board Angel of the Association of Process Engineering Students







Services

Student Benefits

As a student, you are entitled to hundreds of benefits, including Kela, Matkahuolto and VR discounts, as well as student lunch discount in student restaurants. Student discount in public transport in the metropolitan area is also available to you, as long as you live in the HSL area and have updated your student status in your travel card at the HSL service point. The same travel card also gives you access to certain university facilities!

Frank is a student service offering student cards and student discounts throughout Finland. Frank offers both digital and traditional plastic student cards.

The digital student card Frank App is an official student ID, which you can download and activate once you have registered for attendance at the university and paid the AYY membership fee. You can check the prices of other card options on Frank's website. You can also add an ISIC license to both digital and plastic student cards. More information about the different student cards can be found on Frank's website at **FRANK.FI**.

PLEASE NOTE! Once you have received the (plastic) card, please remember to pick up the academic year tag from AYY's service point!

Student Housing

AYY owns approximately 2,600 student apartments in Helsinki and Espoo. We offer a home for over 3,200 residents. All degree and exchange students who are members of AYY have the right to apply for AYY's housing. You can apply for housing as soon as your admission is confirmed by the university. First-year students and students moving from outside the Helsinki metropolitan area are given priority when allocating housing. You receive an extra applicant score when you apply for AYY's shared apartment queues as a first-year student. To receive the score, you must apply for housing no later than July or December, depending on when you start your studies. You can browse and search for AYY's apartments through the Domo system: **DOMO.AYY.FI.** As a student, you can also apply for housing from the Foundation for Student Housing in the Helsinki Region (HOAS).

Health Care

The health of university students is taken care of by the Finnish Student Health Service (FSHS).

























As a member of AYY, you are entitled to general health, oral health, and mental health services of the FSHS. Most of the FSHS services are free of charge, including contacts and general health appointments, and paid services are also affordable.

When you register for attendance for the autumn term, the health care fee is paid as part of the student union membership fee. However, the responsibility for organising student health care for university students and collecting the health care fee will be transferred to Kela on I Jan 2021. Therefore, in the spring of 2021, the Student Union will no longer charge the FSHS fee in connection with the membership fee. The FSHS will continue to provide student health care services and they will be available to those who have paid the health care fee.

As of I Jan 2021, international exchange students, doctoral students, students in continuing education or tailor-made education will not be covered by the FSHS student health care. Further information: YTHS.FI.

Associations and Student Culture

Association activities and events are an essential part of Aalto's student culture. Highlights of the year include Wappu events, anniversaries, Shrove Tuesday celebrations and many other events starting right from the orientation week. AYY has more than 200 associations that organise activities ranging from sports to music and games to other hobbies. New students are more than welcome to join the associations. You should keep an open mind for different opportunities and get to know the associations in the upcoming events!

Advocacy and Interest Representation

AYY represents students in the university's decision-making bodies and promotes the interests of students in society. Through the student representatives elected by AYY, students have the opportunity to influence the decisions made at the university. AYY's highest decision-making body is the Representative Council, which is elected by vote. In the elections, all AYY members can vote and run as candidates.

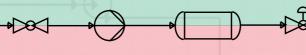
Other Services

In addition to all this, AYY offers its members various services and opportunities ranging from a design calendar and scholarships to a wide range of volunteer positions. AYY also has numerous saunas, event venues and recreational facilities that members can rent. Some facilities are free of charge.

Old guilds in CHEM

The Association of Process Engineering Students was founded in 2012 as a result of the overhaul of the Bachelor programmes, when three different fields were combined into one big study programme. There are still three old guilds influencing in the School of Chemical Engineering: Chemistry Guild, Forest Products Guild and the Guild of Materials and Metallurgy Students are still an active part of our school by hosting several different events. We recommend you to get to know what they offer, most of their events are open for PT fuksis. It's still good to remember that PT is the only organization in the School of Chemical Engineering that takes in fuksis. It means that you are free to get to know the old guilds but to earn your teekkari cap you have to go through PT's teekkari upbringing.





Chemistry Guild

Chemistry Guild (Kemistikilta, KK), founded in 1891, is the oldest and most beautiful guild of Otaniemi. Chemistry Guild especially focuses in the study fields of Chemistry, Chemical Engineering and Biotechnology. Our guild has strong connections to chemical and process industry, and we organize a lot of networking opportunities such as company excursions. Through Chemistry Guild one can connect with already graduated chemists working in the industry, as well as with future coworkers. We offer a multitude of recreational events such as academic dinner parties and various gaming and cultural events. Chemistry Guild also organizes a yearly electronic music event called Neon Rave.

Members of Chemistry Guild can be recognized by the red sleeve on overalls, which is adorned by the neon atom logo of the guild. The best way to meet chemists is at our guild room located behind the lobby of the Chemical Engineering main building. In addition to drinking coffee and reading our guild magazine Tisle, we like to play traditional chemist-minded games such as corona and marjapussi.



Come and join us in order to enjoy the right kind of chemistry!

Kim Eklund, Chair of the Board Chemistry Guild



@kemistikilta



Kemistikilta

https://www.kemistikilta.fi/

Forest Products Guild

75-year-old Forest Products Guild (Puunjalostajakilta, PJK) is a great student organization for students interested in forest based industries to which all of you are welcome to join! Traditional forest based industries, such as paper, pulp and saw industry, and newer bioproducts are strongly present and part of our guild.

The guild organizes events such as sauna evenings and excursions to its members. The guild has strong relationship with the companies in the industry so many excursions are held annually. Excursions are a great way to observe



the industry a bit closer and find potential summer job opportunities. Our guild room locates in Vuorimiehentie 1 in Puu1 building which is separate building from the other CHEM guild rooms. As a member of our guild you are welcome to hang out in our guild room, drink coffee, enjoy some snacks, to get to know both the guild and its members and our iconic card game, Siantappo.

Congratulations for getting in the school and see you in the fall!

Juho Ouli, Chair of the Board Forest Products Guild



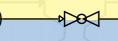
@puunjalostajakilta



https://www.puunjalostajakilta.fi/









The Guild of Materials and Metallurgy Students

The Guild of Materials and Metallurgy Students (Vuorimieskilta, VK) is a subject organization for students of Materials Science and Technology, founded in 1947, the aim of which is to unite students in the field, organize events and be the guardian of the interests of its members at the university. The Guild organizes a wide variety of recreational events, helps to develop the degree program, and builds a close community among students.

Although Vuorimieskilta is one of the smallest guilds in Otaniemi, we are known in the Aalto community as a unique, loud and visible guild. For many members of the guild, this small community has brought lots of memorable moments, close friends, and lots of contacts with alumni and businesses. As a guild, we are a very active and things are always done with a smile on ours faces. The Guild Room is located behind the sliding door in connection with the PT's Process room. Come spin by the Guild Room and at events. If you have any questions about the guild, events, industry or study, you can contact me. All members and members of the board welcome you to our community.



Welcome to study and see you at Orientation Week!

Otto Kankaanpää, Chair of the Board The Guild of Materials and Metallurgy Students



@vuorimieskilta



Vuorimieskilta

https://vk.ayy.fi/

Other associations in Otaniemi



Teknologföreningen, TF is the Swedish-speaking and the only student nation at Aalto. Everyone is welcome to TF despite study programme or language. The only requirement is to be interested to learn or speak Swedish. Teknologföreningen's place and own student restaurant are in Urdsgjallar, a big concrete building next to Dipoli. "Täffä"-members are recognized from their dark red, also known as technology red, overalls.

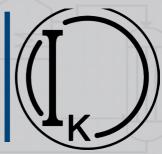
The Guild of Surveying Engineers, MK is the association for students in the degree program of Built Environment. MK, established in 1901, is the oldest guild still receives new students every year. You can spot the members of the guild by their matte black overalls with a fuchsia colored sleeve. The MK guildroom, Monttu (it means a gob or a pit), is located at the K1 building.





The Guild of Architecture, AK was founded in 1908 and is Otaniemi's third oldest guild. It is home to students of Architecture, Landscape Architecture and Interior Design, so their members are a mix of students with either technical or artistic backgrounds. The Guild of Architecture's overalls are broken white and they are made of a very easily soiled cotton. The logo on the back of the overalls is different each year, as it is designed by the fuksis themselves.

The Guild of Civil Engineers, more commonly known as "**Rak-sa**", is a subject association that was founded in 1913 and accepts undergraduates studying Energy and Environmental Technology. As of this year, they are also welcoming Computational Engineering students to their ranks. The association, which was originally named "Engineers' Club" (IK) is Otaniemi's third oldest guild that still accepts fuksis. Raksa members are easily identified by their builders blue overalls.





The Guild of Mechanical Engineers, KIK was founded in 1915, and even with 105 years of history, it is the youngest guild in the School of Engineering. However, it is one of the biggest guild's with over 1000 members. Members of KIK are known for their light pink overalls.

The Guild of Electrical Engineers, SIK was founded in 1921 and will soon turn 100. The energetic and hard-working electrical engineers can be identified bytheir pure white overalls, the back of which sports their light-bulb logo. Their overalls are also decorated by a depiction of a telegram on their right thigh pockets. These overalls can be seen on SIK fuksis from day one, as they are the first guild to receive their overalls in Otaniemi.



The Guild of Physics, FK is a subject association, founded in 1947. It gathers under one roof, all of Aalto's Physics and Mathematics and now also Quantum Technology students. Each FK member later specializes in either physics, mathematics or system sciences, unless they study Quantum Tech. The guild's overalls are natural white, and to get the right shade, fuksis dye their overalls with tea.





The Guild of Industrial Engineers, Prodeko was founded in 1966. Although the guild only has a small intake, their members are all the more active! Industrial Engineers can be recognised by their white overalls, which are decorated with rainbows. New fuksis design the overalls from the ground up and put them for the first time in November at the Sikajuhlat, to which you are also warmly welcome!

Computer Science Guild, TiK is a student association founded in 1986. It gathers computer science students as well as the students of a new english bachelor programme Data Science. Computer Science Guild is one of the largest in Otaniemi. Members of the quild wear shiny black overalls with an unofficial @-logo in the back.

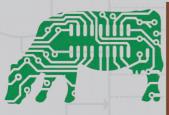




The Guild of Automation and Systems Technology, AS brings together students majoring in Automation and Control Engineering, Information Technology as well as Digital Systems and Designs. The industrious members can be recognised by violet overalls. The left sleeve is black with a white pocket and that reminds of shared history with TIK and SIK.

The guild of information networks, **Athene** is founded by its students in 1999. Despite its small size and young age, it is full of cheerful students. Athene's overalls are a forest or "Athena" green. The overalls' left sleeve is black as a tribute to when Athena separated from the Computer Science guild in 1999. The eye of Athene is the official logo which can spotted from the overalls or wherever one sees Athenians.





The Guild of Bioinformation Technology, Inkubio was founded in 2007 and is thus Otaniemi's youngest guild. As the result of a historic spelling mistake, Ikubio's overalls are a reddish brown, and they are decorated with white "cow" patches, which guild members sew on themselves, to commemorate the time when they were part of the Guild of Electrical Engineers. On their backs, they proudly carry their logo, Maikki, a circuit board in the shape of a cow.





Congratulations on getting accepted to study and choosing Aalto University - you can be proud of your achievement! We at KY are pleased to welcome you to our great Aalto community and next we want to tell you a little bit about what KY is all about.

What is KY?

For over a hundred years, and for years to come, Aalto University Business Students, or commonly known as KY, has and will be the home and community for all Aalto University Business students. Founded in 1911, KY has ever since provided its members services and benefits, student advocacy and memorable experiences, as well as friendships that last a lifetime.

KY exists solely for – and because of – its members. Many students choose to volunteer their time and are active in, for example, KY's associations, committees and project teams. Every degree student at Aalto University School of Business may join KY and the membership is free of charge.

KY Foundation, for its part, was founded to support the students at Aalto University School of Business. The foundation distributes grants and subsidies, for example, to KY's associations and individual projects. Together, KY ry and KY foundation form one united KY with endless possibilities.

KY in numbers

Over 3000 members
109 years
3 locations
11 employees & 8 board members
Over 50 associations
Hundreds of volunteers

Build like an entrepreneur

Anyone can be a builder. We're here to help you find your tools.

All university students need entrepreneurial skills. That doesn't mean we want every student to become an entrepreneur, because we don't. The skills and mindsets of successful entrepreneurs, however, are beneficial to everyone.

In a rapidly changing world, it's impossible to predict the future precisely. What we can do is try and build a future in which we'd like to live. We can learn to understand users' needs, to be adaptive and creative, to solve problems instead of finding scapegoats and to communicate our vision to others. That's what entrepreneurs have always done, and it's time everyone else started doing it too.

At AVP, students solve real problems related to Sustainable Development Goals in multidisciplinary teams. After your time with us, you're free to set up your own company, or take your skills and ideas into an existing one and help them see things more clearly. Either way is equally valuable in building a better future.

Aalto Ventures Program is the entrepreneurship education program at Aalto University.

- Entrepreneurial courses open for all Aalto students
- ► AVP Startup minor for diving deep into the startup world
- Open events on all things entrepreneurship



Aalto Ventures Program

Follow us and find out more:

- avp.aalto.fi
- **ි** @aaltoventuresprogram
- f Aalto Ventures Program

Aalto University



Otaniemi Finnish-English Dictionary

Aava AYY's community section, hosts parties, trips and other fun activities A Bloc The shopping center in Otaniemi. Alumni A student who's graduated. Alvari 1. Cafeteria in the Undergradute Center or 2. The clearing between the Undergraduate Center and AYY's Central

Amfi Amphitheater, a building just outside the Undergraduate Center

Artsilainen A term for arts and design students, a fellow Aalto student.

Assari Assistant, course assistant who can help you in calculus exercises and labs. AYY Short for "Aalto-Yliopiston Ylioppilaskunta". the student union for Aalto students

CanCan The greatest dance group consisting of PT fuksis.

DI Finnish abbreviation of Master of Scien-games and drink coffee. ce.

Dipoli One of the main buildings of Aalto with a cafeteria, big parties and a big pinecone.

DOMO AYY's house application service, domo.ayy.fi

Excursion, Excu for short, a visit to a certain company and their plan.

technology student guilds' (and PT) fuksi captains

Fuksi Fresher, You! A first year student. **Fuksimajuri** Fuksi major, The chair of FTMK, Rudolf Nikander, the person who decides whether there'll be Wappu or not. Fuksipäällikkö Fuksi captains, are in charge of the PT fuksi activities and upbringing. There to support fuksis, make sure they're safe and always up to help.

Gorsu A sauna in the downstairs of JMT 5A. Lämmönsiirto "Lämppäri", Annual ball of **HOPS** Personal study plan.

IE Host and Hostess, The precious people in charge of arranging parties.

Into The most important website for anything study related (into.aalto.fi).

ISO Tutor People who you'll get to know within your first days. Their duty is to help, guide and be a bastion of resort for fuksis throughout the year.

Eastern Harbor City A colloquial term for Helsinki.

Jodel Popular anonymous messaging app, read with source criticism.

Julkku, Äpy Technology students' Wappu magazines.

JMT Jämeräntaival, the main road alongside the student resident area.

Jäynä Term for harmless and fun teekkari pranks.

Kandidaattikeskus Undergraduate Center, Main building in Otaniemi, has lectures and tests held there. Also has a cafeteria. **KeTo** Central Office, AYY's Central Office, Otakaari 11.

Kilta Guild, Technology students' student association.

Kiltis Guild room, where the members CHEM The School of Chemical Engineering. of the guild can hang out and chill, play

> KK Short for Kemistikilta, Chemistry Guild. Kondensatio "Kondis", Chemistry Guild's annual ball.

Kuumahionta "Kuumis", Forest Products Guild's annual ball.

Kylteri A student of Aalto School of Business and a fellow Aalto student.

Lafka Colloquial term for buildings where FTMK Fuksi committee consisting of all the studying happens, i.e. "päälafka" = main building.

> **Lakinlaskijaiset** A party held on the last day of September where older technology students put down their teekkari caps for the winter

> Laskari Calculus exercise, exercises held on various courses where the main objective is to solve related math problems Lukkari Songleader, leads the song at table parties.

the Association of Process Engineering Students.

Maarintalo A workspace that's open around the clock.

Manta Havis Amanda, a statue that's annually given a student cap residing between Esplanadi's park and Kauppatori. Miestentie The newest residential area of Rantsu Beach sauna in Otaniemi, Vasta-Otaniemi a bit further away from Teekkari ranta 1. Village.

Mursu "Walrus", Colloquial term for first year business students.

MyCourses MC, a platform where you can find information about courses you've signed up for, mycourses.aalto.fi

N Meant to signify that a certain student has studied for many years. "Nth year student".

Nakki Wiener, A small, usually fairly easy task that's given to people working at events etc.

Niemi Otaniemi, short for our lovely nesting place.

Noppa op Study credit (ECTS) that corresponds to the amount of work the course will have.

OK20 A sauna and sitsi location at Otakaa-mi, lots of sitsit and other parties in the

Oodi Study registration service where you can sign up for courses and tests.

Ossinlinna Otakaari 18, next to the bus stop.

Otaantuminen A term for when a student ignores the world outside of Otaniemi for around Otaniemi. too long. It's good to get out sometimes! **pHuone** Process room, the living room for worker. all of our members (a guild room essen-

PJK Short for Puunjalostajakilta, Forest Products Guild.

ProTeesi The association magazine of the Laskiaisrieha party and the morning of Association of Process Engineering Students.

concise packet that you can consume on a monday. short time's notice.

PT Short for Prosessiteekkarit, the Associa-Materials and Metallurgy Students. tion of Process Engineering Students.

channel is for you to get the most important information about your fuksi year! Remember to follow this channel!

Pälewiikkis Captain weekly mail, The fuksi us. captains' weekly mail distributed to all fuksis on Sundays. If you should read something, this is it!

RWBK Retuperän WBK, Retuperä's Woluntary Fire Department, a band that plays modern french horn music..

Selkkari Lab report Lab reports are done after labs to transform completely gibberish lab results into comprehensible text. **SK** Servinkuja.

Sillis Herring breakfast Herring breakfast that's usually held after an annual ball. **Sitsit** Table party Academic table party with good food, good company and lots of singing.

SMT Servin Maijan tie, the side road of the student resident area with mostly family apartments.

Smökki Colloquial term for Servin mökki, "Servi's cabin", the party capital of Otanieevening time.

Speksi Spex, A fun interactive play with singing and dancing.

Teekkarihymni Teekkari hymn Teekkari song that's only sung at midnight.

Telegram A very popular messaging app

Toimari Official An association's volunteer

Tupsufuksi Tassel fuksi, 2nd Year student who has acquired their teekkari cap. **Ullis** Short for Ullanllinnanmäki in Kaivopuisto in Helsinki, the main stage for Wappu.

Viikkis Weekly mail The association's Pruju Lecture notes/test subject area in a weekly newsletter delivered to you every

VK Short for Vuorimieskilta, The Guild of

Vuosijuhla Annual ball, Annual party on Pälekannu Captains Inform, This Telegram the association or guild's birthday, usually essentially sitsit but finer.

> **Wappu** The biggest event for technology students. Held if the fuksi major so graces

> YTHS FSHS Finnish Student Health Service, closest post located in Otaniemi in Ota-

Getting to know the Metropolitan Area

As you arrive in Otaniemi you'll quickly learn that it's at a very central location in the Metropolitan area. Here are some tips, helpful locations and other places to visit!

Getting around

Otaniemi has great connections to Helsinki and the rest of Espoo via public transport. You can get around by bus or by the metro. The metro goes until around 23:30 at night, so be prepared to look for a bus route if you're going out with it at night. In Helsinki there are also trams that go around central locations in Helsinki, the most convenient method for getting around Helsinki. The buses and metro are a service provided by HSL (Helsinki Region Travel). In order to travel by bus or metro you'll need to have purchased a ticket between the correction regions. Tickets can be purchased with an HSL travel card. An HSL travel card can be obtained from one of many HSL's service points which our Tutors and Fuksi Captains will help you with! Once you have obtained your card, you can charge it with money and pay for tickets with it. For more information about HSL, the public transport system and timetables you can visit their website at https://www.hsl.fi/en.

There are also apps for looking up timetables "Reittiopas" and HSL app which you can use to buy a ticket.

Finland's train transit is also active, and you can get to most of the major city centers via train. The Central Train Station is in Helsinki and the local trains are a great way of traveling longer distances between Espoo and Helsinki. For local trains you can use your HSL travel card to pay for your ticket. More information about the train transit you can visit VR's (National Railroads) website at https://www.vr.fi/cs/vr/en/frontpage.

Places near Otaniemi Region

While Otaniemi has the necessities for everyday life, it offers very little in the way of specialty shops and restaurants. Here are some places you can get more services from which all are located conveniently along bus and/or metro routes.

In Espoo

Espoo has many great locations for shopping, food, services and entertainment. Here are some nearest to Otaniemi.

Matinkylä – Iso Omena

Iso Omena (Big Apple) is one of the largest malls in Espoo located in one of Espoo's biggest city centers Matinkylä. Located only 12 minutes from Otaniemi by the metro, it's the most convenient mall to visit. The metro station is directly connected to the mall and the lower level of the mall also has a bus station that connects with most buses that travel to the outskirts of Espoo. Iso Omena has a large selection of stores including large grocery stores Prisma, Citymarket and Lidl, a wide selection of restaurants, bars, specialty stores, a library and a movie theater amongst others. Definitely a recommended place to visit with friends or just for general shopping! For making bigger grocery purchases you can save a lot by going to Iso Omena instead of the stores at Otaniemi.

Tapiola - Heikintori and Ainoa

Tapiola is the geographically nearest city center to Otaniemi being only one metro stop away. Tapiola has a mall, Ainoa, which has a grocery store K-Supermarket, restaurants, cafes and clothing stores. Close to Ainoa you can find Heikintori, a small, fairly old part of Tapiola. Most notably Heikintori has the closest post office to Otaniemi.



Leppävaara - Sello

Leppävaara is another city center close to Otaniemi. While not being accessible by the metro, you can get there by taking the 550 bus that operates at very frequent intervals (usually only 5 a minute wait to catch the next bus). Leppävaara also connects to the railroad tracks, so if you need to catch a train, consider going to Leppävaara instead of Helsinki (make sure the train goes by Leppävaara though!). Leppävaara also has the biggest mall in Finland, Sello.

In Helsinki

Helsinki is the capital of Finland and is located only 10 minutes from Otaniemi by metro. Being the capital, it has a lot of places to visit. While it would be impossible to name all of them, here are some places of interest to visit!

Kamppi

Kamppi is one of the most central shopping centers in Helsinki that offers a wide selection of mostly specialty stores, bars and restaurants. With a metro station located within the mall itself it's a very convenient place to visit. Kamppi also has a bus terminal, from which most buses (including ones going to Otaniemi) leave after the metro stops



for the night. Kamppi is near one of the Finland's biggest movie theaters, Tennispalatsi.

Forum

Forum is located quite close to Kamppi and offers much of the same services as Kamppi does. A specialty of Forum is its wide selection of restaurants and fast food places. Forum also has a wide selection of clothes stores, electronics stores and some more niche specialty stores.



Otaniemi map

- 1. Undergraduate Center, Otakaari 1
- 2. The School of Chemical Engineering, Kemistintie 1
- 3. Process Room, Kemistintie 1D 2
- 4. Material Technology, Vuorimiehentie 2
- 5. Puu1, Vuorimiehentie 1
- 6. Learning Center, Library, Otaniementie 9
- 7. AYY Central Office, Otakaari 11
- 8. Dipoli, Otakaari 24
- 9. Teknologföreningen TF, Otakaari 22
- 10. Väre and A Bloc

- 11. Maarintalo, Sähkömiehentie 3
- 12. Ossinlampi
- 13. FSHS, Otakaari 12
- 14. Smökki, Jämeräntaival 4
- 15. Rantasauna, Rantsu, Vastaranta 1
- 16. Gorsu, Jämeräntaival 5
- 17. OK20, Otakaari 20
- 18. Otahalli, Otaranta 6
- 19. Miestentie
- 20. Computer Science Building

At Väre and A Bloc you can find grocery stores Alepa and K-market, a pharmacy, a liquor store Alko, a gym, several restaurants and lot of room for studying!



Social media

The Association of Process Engineering Students has several social media channels where you can find information about the association, events and other current issues. In addition to PT's channels we have created own groups and mail lists for fuksis. In Telegram we have PT Fuksis 2020 group where you can chat and get to know other fuksis. In Facebook you can easily see information about new events.

Telegram or TG for short is a free and well secured communication app. The reason for TG's popularity in Otaniemi is its suitability for large groups. Most of our daily communication is placed in TG so we highly recommend getting to know the app before the orientation week. You can use TG as a mobile app or on your desktop without using the mobile app.

Feel free to use the channels that are the most suitable for you.



Telegram groups

The links to the Telegram groups can be found from Fuksi Guide provided by Aalto or from your physical guide which you will receive during the Orientation week.



Facebook group

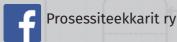


PT Fuksis 2020

PT can be found also from other medias, follow these too!



@prosessiteekkarit



School of Chemical Engineering's Instagram account. Worth following!



@aaltochem

Also, check out PT's web site: https://prosessiteekkarit.fi/en/

To-do list

Accept your study place.
Enrol for the upcoming semester and pay the membership fee of Aalto University Student Union (AYY).
Become a member of the Association of Process Engineering Students at the same time when paying the membership fee of AYY or at PT's website https://prosessiteekkarit.fi/en/membership/
Order a student card frank.fi/en/ .
Apply for an apartment (i.e. HOAS and AYY).
Apply for student pension, loan and housing benefit on time.
Join the Facebook group PT Fuksis 2020.
Download the Telegram app to your mobile phone and join Telegram groups PT Fuksis 2020 and Captains Inform 2020.
Check out PT's web site at https://prosessiteekkarit.fi/en/ .
Mark the Kick Start Event on the 22.8. in your calendar.
Be on time on 31.8. and reserve the entire day off. The Orientation week is unique so we recommend reserving the entire week for it!
Repeat. If there's still something on your mind puzzling you don't hesitate to contact and ask our School or your Fuksi Captains Valtteri and Laura.
Enjoy the summer! No need to stress too much about studies and autumn yet.
Can you not attend the first day or the first week? Tell your fuksi captains about it at fuksinaallikot(at)prosessiteekkarit fi

Regarding the situation in autumn

Although we wish that we could call corona over by now, we still need to take precaution and plan our events in such a way, that they can be held without them breaking any hygienic and legislative criteria. We want to make our best effort to ensure that your start in our university goes without any trouble. We want to do our best to make sure that information goes through well and the side of connecting and getting to know each other works well even in situations like these.

Traditionally, the fuksis have been put into groups of the size of 10 people, which is the group they will follow around the campus tour etc. during the first week of school. These groups usually form tight groups of family who will also later gather and do activities together. So in case the epidemic in Finland gets even worse during autumn and the meetings of smaller groups get banned, we want to ensure that you can keep these fuksi groups going with the help of social apps such as Telegram.

For us to ensure that we can make this happen, we must ask you for your contact information of a Telegram nickname or alternatively for your phone number. The disclosure of your contact information is completely voluntary and the information you provide will not be given to any third parties. It is purely just for us to create the necessary networks to provide our fuksis information about possible problematic situations.

We hope everyone participating in the Chemical Engineering fuksi year of 2020 is okay with this and we can start preparing for your orientation in autumn. We together with the Association of Process Engineering Students are ready to take you on a great adventure and lead you to become a fullblood Teekkari!



Link to the form:

https://bit.ly/20EmRRu

"Together we can work this out!"



Save the date

Here are some important dates and upcoming events. Follow the weekly mail and related group chats to get more information about events!

22.8. Kick Start

Check the next page!

31.8. First day

A day of getting to know the campus area, cakes. teekkari life and other students. Reserve the entire day and evening!

1.9. Aalto Day One

Aalto University season starting party.

2.9. Ota Orienteering

Getting to know Otaniemi in the form of fun checkpoint orienteering together with 14.10. Process Optimization other guilds.

3.9. CHEM-kiva

Laid back bustle and hustle with the old CHEM guilds.

4.9. Kaudenavajaiset

Otaniemi Season starter event!

8.9. Helsinki Orienteering

Checkpoint orienteering in the capital, Helsinki.

10.9. GrilliChilli

Relaxed grilling and chilling and other activities with other members of the asso- 29.11.-1.12. Five Guild Cruise ciation.

22.9. Pancake Cup

Relaxed and playful sports with the Civil Engineering and Surveying Engineers Guild, after which there's sauna and pan-

24.9. Fuksi Sitsit

First sitsit (academic table party) for fuksis. DC: black suit/cocktail.

8.10. Korkeakoulusitsit

Sitsit with the other guilds of CHEM.

An integral part of becoming a Prosessiteekkari.

30.10. Halloween Party

A party together with guild of Bioinformation technology, Inkubio and held by your tutors.

2.11. Fuksi Celebration Sitsit

A more dignified sitsit for fuksis on the Teekkari Tradition Week.

25.11. Pre-ChrisTmas ParTy

PT's very own pre-Christmas party.

A ferry trip to Sweden and back featuring the Civil Engineering Guild, Athene, Prodeko and the Guild of Architecture.



TAKE NOTICE!

Due to the current situation there might come changes to events and dates. Please follow PT Fuksis Facebook and Telegram groups so you can get up-to-date information about upcoming Autumn.

Prepare for relaxed grilling with best company in GrilliChilli!

AN INVITATION TO THE KICK START EVENT 22.8.2020

Take a kickstart to your fuksi year and come to Alvarin aukio 22.8.2020 at 15! There you can hang out with your fellow fuksi friends, tutors and Fuksi Captains before the Orientation week. PT folks can be recognized by our blue overalls with red, blue and yellow stripes. The sign-up for the event is obligatory since we need a list of attendees due to the current situation. We will also serve food for everyone that has signed up for the event. If the weather is suitable for us we can also go to swim together. The sign up for the event can be found on PT's website https://www.prosessiteekkarit. fi/ilmo/. In the sign up form you can also tell your possible special diets and if you need a place to stay overnight. There is no wrong time to arrive or leave so come and join us, if even for a short while!



