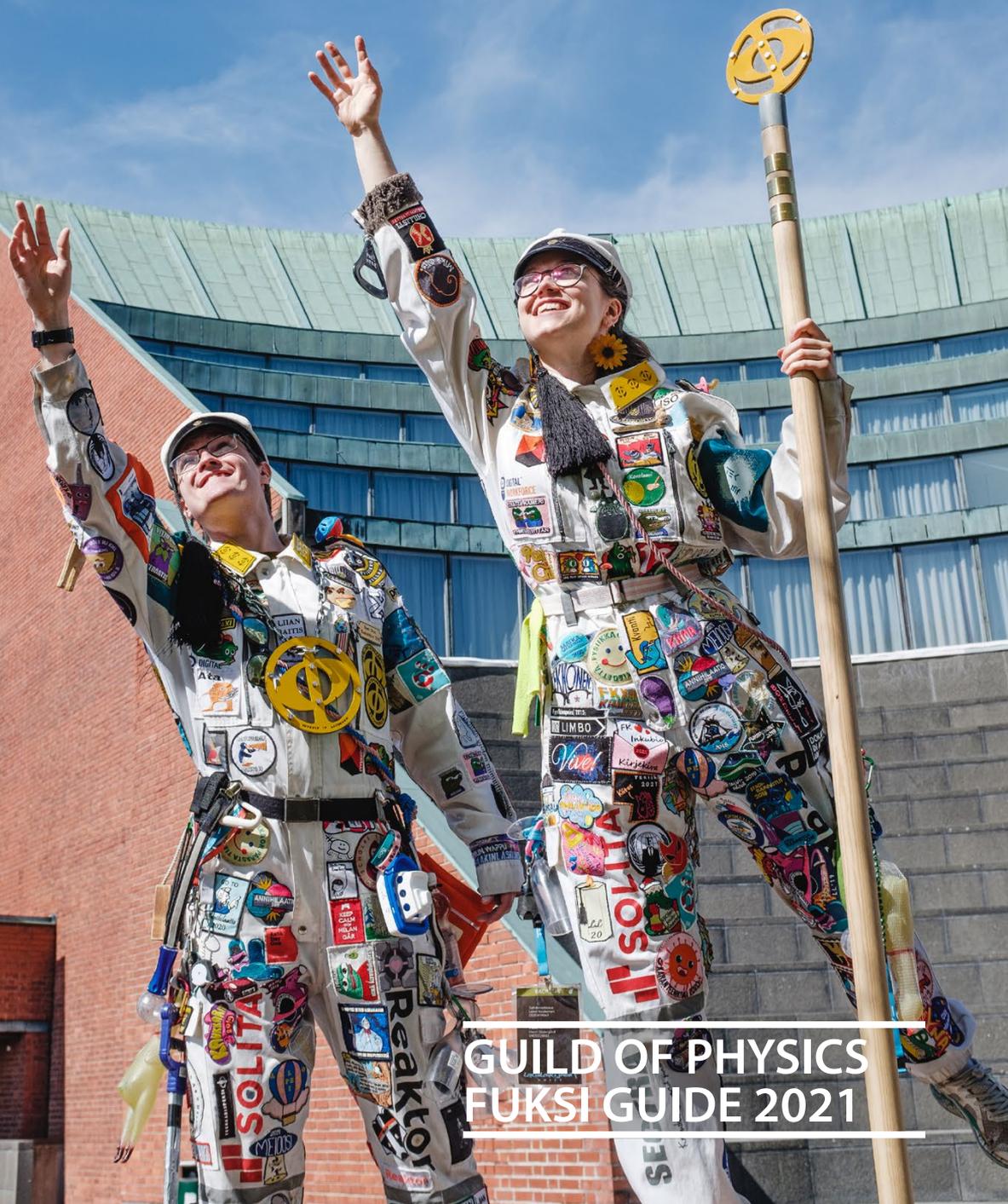

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GUILD OF PHYSICS
FUKSI GUIDE 2021



Guild of Physics Fuksi Guide 2021
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BIG thank you to Aapo for the photographs – they take this guide to a whole new level. Thank you to everyone who provided content for this guide! BIG thanks also to our predecessors Pinja and Eki for support, BIG Coordinator Kalle and International Captain Antti for their help, and former Fuksi Captains for inspiration.

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For the Reader

You are holding the Guild of Physics Fuksi Guide 2021. Read it through carefully with humour, since it contains important information regarding your first days at Aalto and gives a taste of what this year has in store for you. Please don't hesitate to contact your Captains if anything remains unclear after reading this guide.

TL; DR:

There's a lot to unpack but each section is worth at least a quick glance. The beginning holds the most important things to be considered before the school year starts. Here are the essential links:

- Orientation by the university: into.aalto.fi/display/enbsctech/Starting+your+studies
- Facebook group: facebook.com/groups/fkfuksit21
- Telegram groups: t.me/FKfuksit21, t.me/FKquantum21
- Headstart Sat 4.9.: ilmo.fysikkokilta.fi/event/154

ALFA & OMEGA

Read this section with great attention before the start of your university life.

Within the next pages you will find information about the program and timetable of your first week as well as items that need to be checked out before the start of the semester!



Greetings from the Fuksi Captains

TÄNÄÄN!

Huge congrats for getting in and welcome to study Quantum Technology at Aalto University! You have found your way into an amazing student community and we are so happy to have you here with us.

We are Anna and Henri, your and every other Guild of Physics fuksi's Fuksi Captains. Together with BIGs and our awesome BIG Coordinator Kalle, we will make sure your first year here is filled with unforgettable moments. We will stay by your side the whole year in the turmoils of student life.

Fall begins with the Headstart in September, and right after it you will get the chance to meet your fellow fuksis, our guild and the whole Aalto community. We have in store an incredible amount of events just for you fuksis! Jump right in with an open mind and you'll be sure to get well on track both in your studies and the best student life!

Starting university studies and moving to a whole new environment is very exciting. Right after the orientation week will begin your first courses of physics, mathematics and programming, and life can feel very hectic! In the middle of all urgency and changes, please remember that you are not alone. Your fellow fuksis are in the same position and we older students are not that far either. So no matter where you turn you will surely be met with



many understanding and friendly faces. It's important to learn to work together also on course assignments, since university studies are not meant to be carried out alone. Together studying is easier, more efficient and more fun! The first year's courses are planned for you, so you don't need to make any big decisions in the beginning. Just take it easy and see how you like what the university has to offer!

To balance studying, you can find an unbelievable amount of diverse people, events and organizations from the student community of Aalto. From this colourful bunch you are sure to find fun things to do and life-long friends. The closest community for you right from the start is our very own Guild of Physics! Few know other guild members beforehand but from our vibrant





group you'll find like-minded company in no time. We together with your BIGs will make sure nobody gets left behind.

The Guild of Physics is home for all physicists and mathematicians. It gathers together all Quantum Technology and Engineering Physics and Mathematics students of Aalto, supervises their interests in the university and provides all kinds of fun leisure activities. The Guild organizes many easily accessible events from sports to career excursions, sisis, and movie nights for example. For casual hangouts, playing games and general chatter we also have our own guild room where everyone is welcome.

Our job as Fuksi Captains is to guide you through your first year on your way to become Teekkaris so that you may place a shining bright Teekkari cap on your head when the possible Wappu comes. But above all, we want you to thrive and enjoy your first year in academia. We are here just for you, so if there is anything on your mind or you just want to chat, tap us on the shoulder or send a message. We help the best we can!

Have a mega fun and relaxing summer <3

See you at the Headstart!

Anna and Henri
Fuksi Captains

fuksikapteeni@fysikkokilta.fi

Telegram: @annahuttunen @braxikapteeni

If there's anything on your mind or you just want to chat, you can always send a message to your Captains. Even before school starts!

SAVE THE DATE: Headstart 4.9.

You can get to know your fellow fuksis, BIGs and Captains before the orientation week at the Headstart! Arrive at the Alvari Square on Saturday 4.9. from 2 pm onwards and spend the evening with your new friends. You will recognise us by the natural white overalls and the Guild's tent embellished with our phi-logo. Prepare to spend the whole evening outside in good company!



Scan and register to the Headstart!

Registration is also found at ilmo.fysikkokilta.fi/event/154

Checklist

This checklist will help you with preparing for fall. Go through each point carefully!

Before the first week

- I enrolled as an attending student for the academic year at Aalto University.
- I joined AYY and the Guild of Physics by paying both membership fees.
- I paid the FSHS health care fee to Kela.
- I activated my Aalto user ID...
- ...and followed my Aalto email.
- I applied for an apartment from AYY and HOAS for example.
- I applied for financial aid and general housing allowance (if citizen of Finland).
- I applied for a student card or downloaded the digital student card.
- I joined the FK Fuksit 2021 group on Facebook.
- I downloaded the Telegram app...
- ...and joined the FK Fuksit '21 group there also.
- I registered for the Headstart 4th of September, see QR code on previous page
- I read this guide thoroughly.

Telegram is a messaging app a lot like WhatsApp. It is the primary communication channel in Otaniemi. Download Telegram and join our FK Fuksit 21 and Quantum groups at t.me/FKfuksit21 and at t.me/FKquantum21

On Monday 6.9.

- I arrived at TUAS Building by 8.30 am with
- ...an ID card.
- ...printed receipt or a screenshot of AYY's membership fee.
- ...money for lunch.
- ...a lot of warm clothes, a towel and swimming wear for Kiljava.
- ...an open mind and cheery attitude!

At some point

- I bought an HSL card...
- ...and activated the student discount on it at a service point.

Orientation Week

In addition to the daily program by the university on orientation week, there are activities for each evening. Check out what we have planned for you below!

6.9. Kiljava

The first day culminates with the inauguration to the Guild of Physics, even considered mandatory, when we head to Kiljava right after the official programme. We'll be spending the rest of the night there, so come prepared with warm clothes, swimming wear and fearless spirit!

7.9. Getting to know Otaniemi

On Tuesday afternoon you will get to know Otaniemi and each other in the BIG adventure organized by your BIGs and tutors. Get ready to jump into the whirlpool of fun that student life is!

8.9. Otasuunnistus

Otasuunnistus is a checkpoint rally in Otaniemi. In it you will together with your fuksi group accomplish many different tasks at checkpoints held by almost all organizations and clubs of Otaniemi.

9.9. Fun, games and relaxing

Our guild's own committee of leisure (Hottis) organizes chill and cool activities and a possibility for sauna on Thursday. This day provides important relaxation for the active week!

10.9. SCIvaa and Kaukarit

During the day there will be hanging out and games with all the guilds of School of Science (SCI). This is a great chance to have a peek at who else studies at SCI.

The week will culminate in the season opening party Kaukarit! Before Kaukarit we will have our own guild's pre-party from where we'll go to the main event together!

NOTE! IT IS OF THE UTMOST IMPORTANCE THAT YOU'LL JOIN THE FACEBOOK AND TELEGRAM GROUPS ALREADY DURING SUMMER! We will update there the latest information about the Headstart and orientation week in the light of the pandemic situation.

Greetings from Aalto University Student Union!

Welcome to Aalto University and its student union, which you also recognise from the letters AYY! Here at the Student Union we strive to ensure that you can truly experience the best student life in the world at Aalto. Our wish is that every student feels good and safe in our student community, and that each of us gets all the support they need for the entire duration of their studies.

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!

Matias Saikku

Member of the Board (Community, Volunteers, New Students)



What is AYY?

As a student of Aalto, 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 we want to develop teaching at Aalto and the best student life in the world.

As a member of AYY, you are entitled to numerous student union services and student benefits both locally and throughout Finland. AYY offers several services for its members, such as affordable student housing, rental facilities, and advocacy. As a student of Aalto, you can also participate in activities and events organised by AYY and over 200 associations within the Student Union.

AYY in Figures

- More than 15,000 members
- Approximately 200 organisations and associations
- Approximately 2,600 student apartments
- Nearly 50 employees
- 10 full-time board members
- Approximately 400 volunteers

Communication Channels

You can find comprehensive information about all AYY's services and opportunities at aayy.fi. We compile all current information concerning students in the weekly newsletter published by email on Mondays.

Instagram: @aayy_fi

@aayyhousing

Facebook: Aalto-yliopiston ylioppilaskunta - AYY
AYY Housing

Twitter: AYY_FI

Youtube: Student Union AYY

LinkedIn: Aalto University Student Union AYY

Dear first-year student,

firstly, I would like to congratulate you on your choice of study place! Secondly, you might want to prepare to keep your eyes and mind open, because it's go time!

The Aalto community is a place where you will constantly face new opportunities, each one more and more interesting. It is important to seize these opportunities, as they are going to become a part of who you are even after you graduate, so please do things that you enjoy doing. Stepping out of your comfort zone from time to time might also be a good idea. You'll be surprised about the things you can do, the influence you have and all the people you will meet. From the bottom of my heart, I hope that you will soon fall in love with this community and yourself as part of it :)

See ya later,

Sara Selonen

Member of the Board (Associations, Communications, Artistic Activities & Museum),
Board Angel of the Guild of Physics



Services

Student housing

AYY owns approximately 2,600 affordable student apartments in Helsinki and Espoo and offers 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 in the allocation of housing. First-year students receive an additional score when they apply for AYY's shared apartment queues. To receive the score, students must apply for housing no later than in July or December, depending on when their studies begin.

You can browse and search for AYY's housing through the Domo system: domo.ayy.fi. As a student, you can also apply for housing from the the Foundation for Student Housing in the Helsinki Region (HOAS).

Advocacy and interest representation

You can take advantage of AYY's advocacy services if your exam results are late or you may get in touch with a harassment contact

person if you encounter harassment. As a member of AYY, you can apply for administration as a student representative and 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. Members of the Representative Council decide on the goals and policies of the Student Union. The next Representative Council elections will be held in the autumn.

Student culture

Volunteering, association activities and diverse events are an essential part of Aalto student culture and the Aalto community. The highlights of the year include Wappu events, anniversaries, Shrovetide celebrations and many other events starting right from the orientation week.

In addition to the Student Union, events are organised by volunteers who work in sections and committees. AYY has six sections: Aava Community Section, Campus Section, Teekkari Section, Museum Section, New Students Section and Advocacy Management Group (more commonly known as EduJory). The call for volunteers will open in late autumn. Information on the call will be published in AYY's communication channels.

In addition, AYY has more than 200 associations that organise activities in the fields of sports, music, games, and other hobbies. New students are always welcome to join association activities, and AYY offers help, support, and advice for the establishment of associations and their activities. Keep an open mind for different opportunities and get to know the associations in upcoming events!

AYY's renewed museum will open in the autumn after a renovation and a brand reform. In the museum, you can get to know the history of student cultures.

Rental facilities

In addition to housing, AYY has numerous saunas, event venues and recreational facilities that members can rent. Some facilities are free of charge. AYY also rents a van and a trailer.

Scholarships and project grants

You can apply for a project grant from AYY or the TTE-Fund for a project organised by a group of friends or an association. You can also apply for scholarships awarded by AYY.

Student benefits

You will receive a digital or plastic student card to prove your student status (card delivered by Frank). By showing your student status, you are entitled to hundreds of benefits from 1 Aug onwards, including Kela, Matkahuolto and VR, as well as to student lunch discount in student restaurants. You are also entitled to student discount in public transport in the metropolitan area if you live in the HSL area and have updated your student status in your travel card at the HSL service point. You can find the list of all benefits and discounts available with the student card on Frank's website at frank.fi.

The digital student card Frank App is an official student ID, which you can download and activate starting on 1 Aug once you have enrolled for attendance at the university and paid AYY's membership fee (service break on 31 July-8 Aug, during which it is not possible to enrol or pay the 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 on different student cards can be found on Frank's website at frank.fi.

Once you have received the plastic student card, please remember to pick up the academic year tag for your card from AYY's service point! At the same time, you can also pick up a free Design Notebook and get advice.

Studies 101

Here's a lengthy but comprehensive guide to university studies from the student services. In its sections you'll find detailed answers to common technical questions regarding your studies.

What is my bachelor's programme?

The Chemical Engineering, Computational Engineering, Data Science, Digital Systems and Design and Quantum Technology majors are all part of Aalto University's English-medium Bachelor's Programme in Science and Technology, jointly organised by all four Aalto schools of technology. The Chemical Engineering major is run by the School of Chemical Engineering, Computational Engineering by the School of Engineering, Data Science major by the School of Science, Digital Systems and Design by the School of Electrical Engineering and finally, the Quantum Technology major is run jointly by the schools of Science and Electrical Engineering.

The contents of your studies depend on the major that you originally applied for and gained admission to. Students in all majors are required to complete a 65-credit core curriculum, referred to as basic studies, which focuses on mathematical and computational methods and provides students with a solid foundation in information technology skills. 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 6 September to Friday 10 September 2021. 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 in August at: into.aalto.fi/display/enbsctech/Starting+your+studies.



Timetables of the academic year

The first courses will start on Monday, 13 September 2021. Teaching in the academic year 2021-2022 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. Precise schedules for the teaching and evaluation periods can be found at into.aalto.fi/display/enbsctech/Key+dates.

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. If you follow the model timeta-

ble, 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 done online using the Sisu system. During the orientation week you will be guided in creating your first study plan (HOPS) in Sisu and how to register for the courses you will have in the first teaching period. You will need to have a course selected in your study plan in Sisu to be able to register for it.

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.

Completing courses

Course teaching methods vary and may include lectures, assignments and group exercises or projects. Generally speaking, the first lecture will cover all the practical matters needed to pass the course (registration, exami-

nation, 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, math 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.

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 into.aalto.fi.

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 stu-

dent 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.

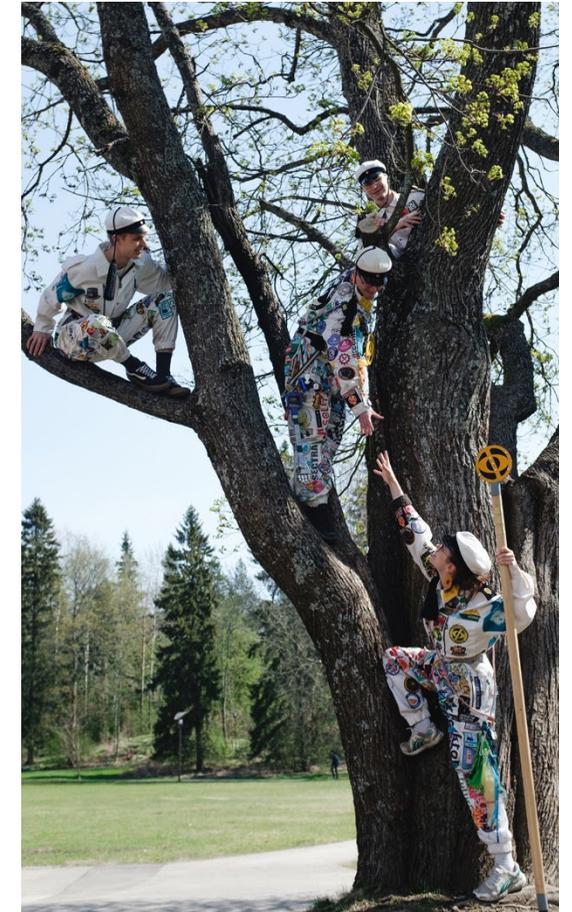
You can always turn to student services if you are unsure about where to start or whom to ask about something. The coordinator and planning officer of the programme, as well as other student services staff will be happy to help. Student services can assist you with matters involving:

- 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.

Student services will help you with all study-related things from the first day to graduation!



Helpful links:

- Into: into.aalto.fi
- BSc programme: into.aalto.fi/display/enbsctech/enbsctech
- Orientation: into.aalto.fi/display/enbsctech/Starting+your+studies
- Periods: into.aalto.fi/display/enbsctech/Key+dates
- Curriculum: into.aalto.fi/display/enbsctech/Curriculum+2020-2022
- Contact: into.aalto.fi/display/enbsctech/Contact
- MyCourses: mycourses.aalto.fi
- Sisu: sisu-aalto.funidata.fi
- Exam archives: tenttiarkisto.fi





Health Care

The Finnish Student Health Service (FSHS) provides the student health care services, which are available after paying the health care fee. From FSHS you will get help within the areas of general health, oral health and mental health.

Students enrolled as attending must independently pay the student health care fee to Kela. It is paid twice a year: the fall semester fee by the end of September and the

spring semester fee by the end of January. Before the year 2021, the fee was charged together with the student union membership fee.

Starting from 1.1.2021, international exchange students, postgraduate students, continuing education students and commissioned education students are not covered by the student health care of FSHS. Additional information can be found at yths.fi/en.



Hi Fuksi!

Become a student member of TEK! It costs you nothing. You will get e.g. summer job search tools, information on salaries and salary recommendations, membership benefits and discounts on, for example, banking, insurances and travel.

TEK is a community of 75,000 university students and graduates in the field of technology. We work towards solving the major issues of our time, from climate change to the scarcity of natural resources as well as the challenges of modern work life.

Find out more at www.tek.fi/en/students or join www.tek.fi/en/join now!

Best regards,



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Student liaison, Otaniemi
+358 45 111 4650
eero.jarvinen@tek.fi
Telegram: @Ertsipupu





FUKSI FALL IN A NUTSHELL

Next we'll briefly go through what the fuksi year contains. On the following pages you can read about courses and events available in the fall.

Five Tips from the Master of Academic Affairs

Hi! Congratulations on your acceptance to university! So thrilled to have you join our guild!

University studies will provide a challenge for every new student and thus, I wanted to warmly welcome you by giving a few tips. I hope these tips will help you reflect and build a mindset that will serve you best during your upcoming studies in university.

At the moment of writing this, we at Aalto have been studying remotely for over a year, as you might have been as well. I don't yet know what your first year in university will look like, but I am hopeful that during the fall we will be at least partly on campus. However, regardless of what next year looks like, the following tips apply to studying in university in general.

1) Settle down in your studies. The amazing thing about starting university is that you get to dive in and study what you're passionate about. You get to study out of your own interest and driven by your own ambition. Thus, I encourage you to strive for learning instead of for grades on your courses.

2) Reflect on your work-life balance. University courses are such that one could spend endless time studying them. Especially if you're interested in the topic, it might be hard to take time off. However, student life is about much more than just studying – it also includes friends, hobbies, events and experiences. Freetime refreshes the mind and helps you recharge. Thus, make sure to establish a work-life balance that works for you, so that you get what you want out of student life. And what exactly is it that you want? No worries, don't need to know that yet!

3) Reserve time for independent studying. Then some more concrete tips. In university more than half of the studying hours that a course requires are spent outside of lectures and exercise sessions. This is the reason why the example curriculum might look empty despite being a full load of courses. Do yourself a favour and reserve plenty of time for independent studying!



4) Independent studying does not have to be done alone. Above when emphasizing independent studying, I did not mean this has to be done by oneself. In university, collaboration plays a key role in studying. Discussing solution methods and brainstorming ideas is often encouraged – note that this does not mean copying answers. It is also good to remember that you all come from different educational backgrounds and have different strengths. This is really valuable when collaborating!

5) Start early. Probably everyone sometimes does things at the last minute, but don't get into this habit with your studies. It is often unforeseeable how much time solving certain exercises and homework assignments will require. Therefore, it is a good idea to start early enough that you have time to ask for help on them if need be. Furthermore, not being in a rush with your tasks eases your time management and hopefully allows you to dive into the things you find interesting.

With these tips, I want to encourage you to reflect on your thoughts about university studies and your wishes regarding experiencing student life. Also know that these tips are not in order of importance and some may be more insightful than others for you. In short, I hope you really enjoy your studies and student life. Take it easy, give yourself some time to adjust to university and possibly to Finland if it's a new country for you. Enjoy your first year!

Wishing you a warm welcome! Tervetuloa!

Helmi Hankimaa
Master of Academic Affairs
opintovastaava@fysikkokilta.fi
Telegram: @opintovastaava

P.S. If along the way you come up with any study-related questions, don't hesitate to ask me, your tutors or Aalto Learning Services. We're all here for you.

Courses in the Fuksi

Fall

On this page you will find courses from the model curriculum of the fuksi fall. The fall is divided into two periods: the period of each course can be found below the course titles.

Introduction to Quantum Technologies Period I

This is the very first course that is directly related to your major. You will learn the basic concepts about quantum physics as well as its technological applications. You will also strengthen your understanding of classical models of motion, fields, forces and waves.

Differential and Integral Calculus 1 Period I

The fuksi year mathematics studies are largely based around building your mathematical toolkit. The first part of the Calculus trilogy promises sequences, series expansions, differentiation, integration and differential equations, which will already be put to use in the next physics and maths courses.

Programming 1 Period I-II

Programming belongs to every scientist's general education. The course lasts the entire duration of the fall, during which you will not only deepen your understanding of programming basics, but also engage in creative problem solving. The course is traditionally laborious but rewarding.

Compulsory language course Period I-II

One language course is a mandatory part of university studies in Finland. It fits nicely in the first year and it's good to get out of the way right away.

Matrix Algebra Period II

In addition to matrix algebra being an important tool for every scientist, it is also a new discipline for the average physics fuksi. There is an abundance of new information to internalize, but it is certainly worth the effort, as you will frequently encounter matrices regardless of your choice of major.

Introduction to Industrial Engineering and Management Period I-II

This course will give you knowledge about companies and their management. You'll found an imaginary company and determine how to make it as profitable as possible: you'll start by coming up with a business idea and then determine all the equipment and staff needed as well as the relevant costs. In addition to learning practical skills you'll also learn the meaning of mystical words such as "gross margin" and "EBITDA".

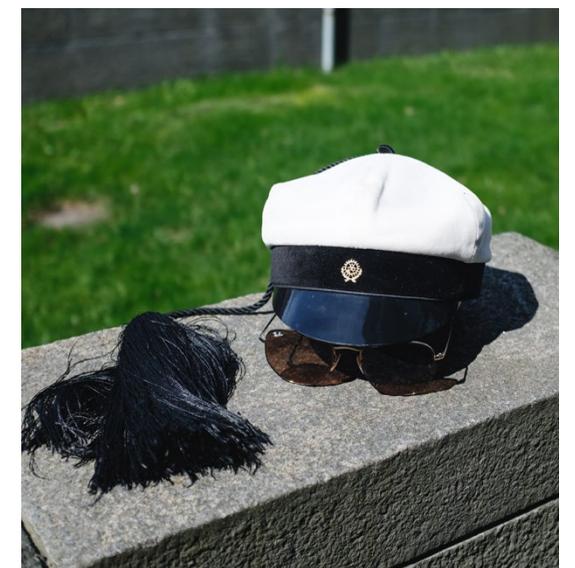


Events in the Fuksi

Fall

- 4.9. Headstart
- 6.9. Kiljava
- 7.9. BIG adventure
- 8.9. Otasuunnistus
- 9.9. Hottis fun, games and relaxing
- 10.9. Kaukarit
- 14.9. Stadiuunnistus
- 21.9. Song sauna
- 25.9. Teekkari culture sitsit
- 26.9. Fissio
- 30.9. Otatarha Grand Prix and Lakinlaskijaiset
- 14.10. Fuksi groups' night
- 19.10. Fuksi excursion
- 5.11. SCI sitsit for fuksis
- 8.11. Fuksis' celebration sitsit
- 28.-30.11. Fuksi megamayhem?!
- 7.12. Guild of Physics pre-christmas party

Fuksis in Otaniemi have a very special status: there are tons of events that are organized specifically for you. We heartily recommend you to save these dates!



Director'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 world-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

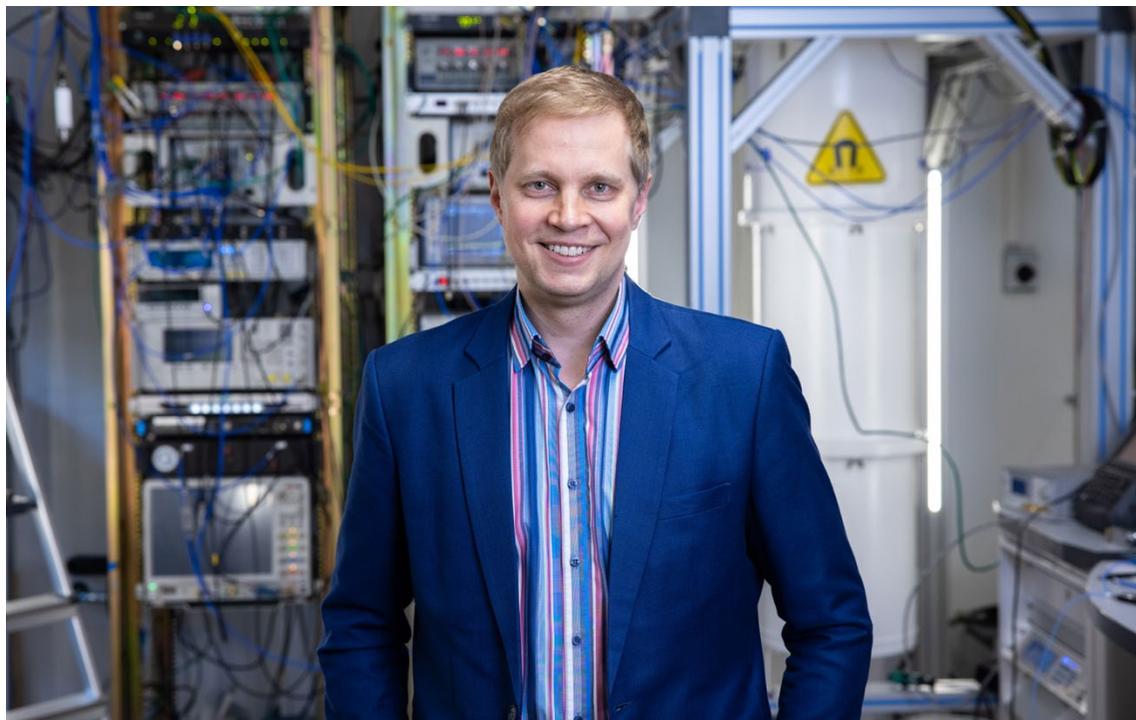
basic studies, you will obtain the opportunity to think about real-world problems that impact our society, and come up with your own ideas, solutions, or projects.

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



Entrepreneurship is not what you think

For us, entrepreneurship isn't just about founding cool technology startups and rolling in money in Silicon Valley, but something much more. Entrepreneurship is a mindset and a tool that helps daring individuals to solve real, meaningful problems either as an entrepreneur or from inside an existing organisation. We don't want you to become a tech-millionaire. We want you to save the world — and maybe become a millionaire while doing it. If that sounds like something you'd like to do, we can help.

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





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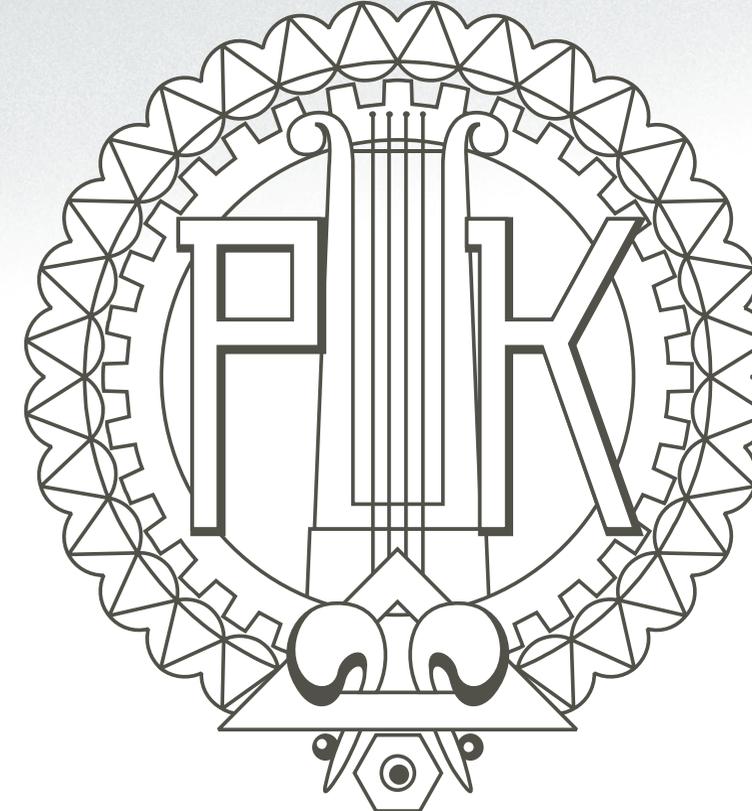
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GUILD OF PHYSICS

Our guild's history goes back over 70 years. On the following pages you will get to know the Guild's functions, its board members and the guild room. Additionally, you can read about job opportunities and career stories of our guild members.



President's Greetings

How awesome, that you have chosen to come study Engineering physics and mathematics or Quantum Technology. First of all, congratulations on my behalf too for your admission! With university studies, a new phase of life often begins, which includes a lot of new and exciting things - possibly a new city, living alone, and new acquaintances. In addition, studying at university is very different compared to at least what I personally remember the previous stages of studying being. There are endless amounts of interesting courses, but at the same time, courses can feel challenging and time consuming. However, you don't have to wrestle with these challenges alone, but your own Guild is here to share all the good and bad moments with you, and to support you on your way to a degree.

I will now explain in more detail what the Guild of Physics is. Every semester, the Guild of Physics welcomes new students from Aalto University who are in the Engineering Physics and Mathematics or Quantum Technology programme, like you.. The Guild of Physics is a registered association that operates under AYY, the Aalto University Student Union. The Guild of Physics currently has about 600 members - physics, mathematics, and operations research students from each generation. The purpose of the Guild of Physics is to unite students entering TFM and QT programmes, also in the later stages of education even after the major subjects have been chosen. In addition, the Guild manages relations with the university and various companies, promoting the interests of its members. During your first year, your fuksi year, your journey will be taken care of by the Fuksi Captains, the BIG Coordinator, BIGs and Study Tutors. At this point, I want to say that it is absolutely awesome to welcome you to the Guild of Physics.

In the fall I will start my fourth year of studies in mathematics and operations research. When I came to the Guild as a fuksi, I didn't know what to expect from it, but was surprised by the welcome. In the Guild of Physics, from day one, I felt accepted just as I am, and equal among others. This was great to me, as I wasn't sure if I was sitting in that stereotypical Teekkari mold, as a woman with an immigrant background who doesn't drink alcohol. The Guild of Physics proved otherwise.



The Guild has a lot of different activities and tasks to offer, from business activities to sports and cultural excursions to parties. Not all of them are necessarily what interest you eventually, but that is why I encourage everyone to get involved open-minded. Nevertheless, all of us have come here primarily to study, and that is also the thing that unites us. The most important thing, I hope, is that each of you will look and find exactly what the Guild of Physics can offer you - be it help with homework, networking, or good friends.

The administrative side of the Guild of Physics is run by the Board of the Guild, under my leadership, as the President. There is a wide variety of personalities on the Board in a wide variety of roles, and I can personally say that each one of them is an amazing person! If during your fuksi year or later you have concerns about studies, applying for summer jobs or other things, you can feel free to contact anyone on the Board. We will be happy to help! In the next pages you will get to know the Board members better.

Without further ado, welcome to the Guild of Physics!

Annamaria Ráduly-Baka
President
puheenjohtaja@fysikkokilta.fi
Telegram: @msfysikkokilta

Board of the Guild of Physics

Next you'll get to meet the Board of the Guild of Physics, which consists of 12 people in total. The Board takes care of the guild's affairs under the leadership of the President, whose greetings you may have already read on the previous page. Each board member has their own area of responsibility and, depending on the position, a number of guild officials to manage. The Board generally meets weekly, organizes events together and represents the Guild. On the following pages you'll get an idea of the duties of each Board member. If you are interested in more detailed descriptions of the positions, it is worth checking out the Guild's website or approaching one of the board members directly!



Master of Leisure
Jaakko Johansson

The Master of Leisure is in charge of the guild's well-being activities, for example sauna, game and movie nights. These events are organized with the help of Hottis, committee of leisure. Hottis includes apprentices of leisure, sports coordinators and culture coordinators. In addition, the Master of Leisure is in charge of the guild room along with guild room coordinators.



Host & Hostess
Veikka Taka and Henri Södergård

The host and hostess, more commonly known as IE, are primarily responsible for organizing events for the Guild of Physics. IE's job is not just cooking, but also scheduling, budgeting, decorating, communicating in many different directions, managing the guild warehouse. IE also leads the event division, sisu, that helps them in many aspects of their work.



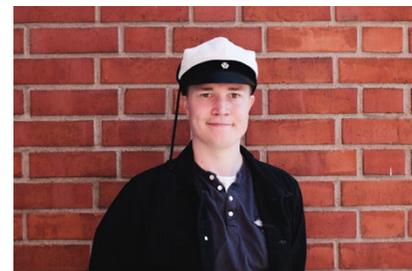
President
Annamaria Ráduly-Baka

The President is responsible for keeping the show on the road. Above all, the President is a mainstay for all the board members. The President coordinates board members and makes sure that everything gets done in time. Besides overseeing everyday actions, the President is responsible for example arranging the meetings, taking care of administrative tasks and keeping in touch with the Dean, the school and other stakeholders and relevant parties.



Vice President
Martti Ranta

The Vice President manages the guild's administrative tasks together with the President. The most visible task of the Vice President is to write the minutes of board and guild meetings. In addition, the Vice President is responsible for organizing recreational events for guild officials, and makes sure that they get enough guidance for their tasks.



Master of Corporate Relations
Leevi Kaukonen

The Master of Corporate relations is in charge of the Guild's corporate relations. In practice, this means organizing excursions and acquiring sponsors. The Master of Corporate Relations also organizes career events and informs the members of the Guild about possible career opportunities. All this is organised with the help of the Corporate Relations division.



Master of Academic Affairs
Helmi Hankimaa

The master of academic affairs represents the interests of our guild members in university-level administrative bodies. They also coordinate tutor students and the academic affairs division in our guild. The academic affairs division consists of the Academic Affairs Adjutants, who support the Master of Academic Affairs in various tasks, the previous Master of Academic Affairs and an ABI committee that markets our study programmes to high schoolers.



Treasurer
Laura Heikkilä

The Treasurer is responsible for the Guild's money and its traffic. The Treasurer sends invoices to guild members participating in activities, companies and respectively pays the bills. The Treasurer forms the annual budget in the beginning of the year, maintains bookkeeping and at the end of the year forms the financial statement.



Communications Officer
Aapo Pajala

The Communications Officer sends the weekly newsletter and is responsible for maintaining and developing the Guild's digital services. In addition, they lead the great Infojaos, the Information division. This division includes diverse roles such as ADs, photographers, reporters of the guild magazine, and developers under the Tech Support team.



Fuksi Captains
Henri Brax and Anna Huttunen

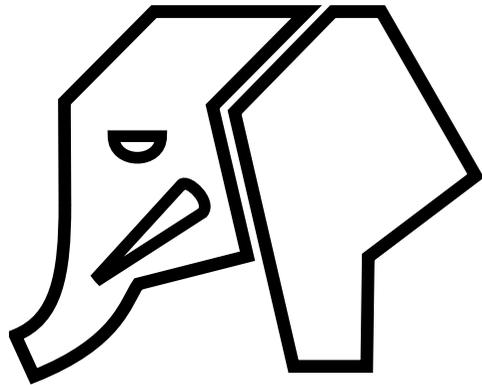
The Fuksi Captains are responsible for everything fuksi-related in the Guild. The Captains organize events for fuksis and make sure that they feel welcome. Their job is to introduce the fuksis to the Teekkari culture, the Aalto community and the Guild. The Fuksi Captains work in close collaboration with the International Captain, the BIG Coordinator, the BIGs and the Fuksi Committee.



International Captain
Antti Karjasilta

The International Captain takes care of the exchange and master students, and organizes international events for the Guild. Together with the international BIGs, they make sure that international students feel welcome in guild events, and helps them in practical matters. The International Captain leads the Outer division, which manages relations with associations outside of Otaniemi.

KVANTTI



Kvantti is the guild magazine of the Guild of Physics with four editions issued yearly. Since 1976 it has provided its readers entertainment and food for thought with articles ranging from satire to politics and guild news. The editors are guild members with a passion for high-quality student journalism, and their work has earned Kvantti the AYY Seal of Approval in the spring of 2018. At kvantti.ayy.fi you can find an archive containing issues throughout the magazine's journey. Even though Kvantti operates mainly in Finnish, don't be afraid to discuss with the editor-in-chief and the crew if you have an idea for an article or want a broader audience for the poems in your drawer.

MANMAN

ManMan is Finland's sexiest, most entertaining, best, and only physicist dance group from Otaniemi. You are certainly going to enjoy this lively group's enthusiasm and energy sometime in the future. The dance group is run by ManManMan, and everyone is welcome to join! Many of the members have absolutely no previous dancing experience – the most important thing in ManMan is having fun together and outdoing oneself.



Spex is a student run musical, in which the audience gets to interact with what's happening on the stage!

PHYSICIST SPEX

The Physicist Spex is the Guild's very own spex, something that no other guild in Otaniemi has! The Physicist Spex is as far as we know the world's only Spex which is also performed in English. The previous Spex, Our Hopes and Expectations, was performed in the autumn of 2019. New Spex are always produced in a two year cycle and you will have the chance to see the new production this fall in 2021. The auditions for the Spex usually start at the beginning of the same year, so those interested in taking part in the next Spex, can apply in the spring of 2023. If you are interested in taking part in making the spex already during your fuksi fall, please don't hesitate to contact the producers (tuottajat@fyysikkospekksi.fi)!



FK KOHELLUS



FK Kohellus is the Guild of Physics' official sports team, where every member of the Guild has a chance to participate in different sporting events. At Kohellus we always aim to win but the most important thing is having fun! Every year we take part in a variety of different competitions organized by Unisport. The sports are determined by the guild member's personal interests and new proposals are always welcome! Last year Kohellus played futsal and volleyball, but earlier we have also competed in football and floorball competitions. At Kohellus you don't need to have any former experience; everyone is welcome to join in and have fun!



Guild Room

The guild room of the Guild of Physics, more commonly known as Kiltis, is a shared hangout space for all of us guild members. You can come to Kiltis to drink coffee, study, relax or even just to play Mario Kart. Kiltis is located in the Undergraduate Centre near the Student Hub. You will get to explore Kiltis with your fuksi group already during the orientation week.



Harassment Contact Persons

Hi! We are Mimi, Tuomas, Anna and Heikki, the Guild of Physics harassment contact persons. Harassment contact person can offer support, assistance, conversation channels and measures to all guild members when needed. More information can be found from fyysikkokilta.fi/en/hairintatilanneohje.

Tuomas Lebedeff @TuomasLeb, Mimi Mokka @mokkamaster, Anna Huttunen @annahuttunen, Heikki Systä @systistae



Greetings from the Master of Corporate Relations

I'm Leevi, a 3rd year student of Mathematics and Operations Research, and I'm the Master of Corporate Relations for the Guild of Physics. Together with Ysäri, the Corporate Relations Team, I am responsible for ensuring that the members of the Guild have the best possible idea of the job opportunities which they could ensue in the future. Through excursion - or more familiarly "Excus" - career events and career bulletins, we aim to keep guild members aware of where physicists and mathematicians can end up working.

You are about to step into what I think is the best part of university life, guild activities. Starting from Orientation week, you will find that the Guild of Physics organizes a lot of events for guild members, and we usually organize the biggest events together with our partner companies. Here at university, companies often come to you, and that's just cool! You will get your first experience with this at your very first lecture, but I will not reveal anymore of that yet.

Working life may seem like a distant idea at the moment (It did for me at least, when I read my own Fuksi Guide), but you should always keep your eyes open. The direction of your studies may change altogether because of the seemingly interesting work opportunity, as they did for me. Think about what you really want to do and see what opportunities lie ahead.



But there's no rush to work life, and you're facing (hopefully) a carefree summer. Go buy an ice cream, head for the beach and see you in Orientation Week in the autumn!

Leevi Kaukonen
Master of Corporate Relations
yrityssuhdevastaava@fyysikkokilta.fi
Telegram: @yrityssuhdevastaava



Hi! I am Meri, a fourth year mathematician and for the last six months I have been on the Fyssa business relations team, also known as Ysäri. I applied to Ysäri because I was interested in the networking opportunities offered by Ysäri and also wanted to challenge myself. I'm a little shy by nature and that's why I had a high threshold for example to go talk to business representatives. In Ysäri, however, I have noticed that there is nothing scary about it, and companies are often interested in the Guild of Physics and working with us. Ysäri has a meeting about once or twice a month where you can chat with other Ysäri team members and talk about your own progress with your "own" companies. You can also organize career workshops and business excus in Ysäri, for example, and I found it fun! :)

Meri Aho
Member of Ysäri

Career Stories from Guild Members

The Engineering Physics and Mathematics and Quantum Technology degrees offer a wide range of career opportunities both in the future and already during your studies. Next you can read about the career experiences of three of our students. The career stories are just a small taste of all the job opportunities that await you!

I began my studies in 2015 in Engineering Physics. Currently I'm a BSc in Technology and major in Engineering Physics in my master studies. I applied to study here, since in high school I had decided to study something with a nice mix of math, physics and programming.

Few years later I wrote my Bachelor Thesis for a Quantum Transport research group in Aalto university. It was cool to remotely run algorithms on real quantum computers. I had no idea that it was even possible! I even made it to Aalto news: <https://bit.ly/35bSY2l>.

"In Aalto and our program I find most important that one gets to be surrounded by similar people like you!"

Since the fuksi year, programming has also fascinated me a great deal, and I like to make my own side projects (like iOS applications). Two years ago in spring (2019) I realized that I could get a job in coding. Couple months later I started to work part time at Smartly.io where I developed a tool that automates digital marketing. It has been neat to get to do some "real work" besides studying. You get work experience and possibilities to apply your knowledge in working life.

I started to study here in 2016 and chose to major in System Sciences. To my studies, I also wanted to include some business studies, and I minored in finance from the School of Business and later took some courses in Financial Engineering in Hong Kong. There are numerous major-minor combinations supporting each other, which is great in our program.



In Aalto and our program I find most important that one gets to be surrounded by similar people like you! In addition to working and studying, we run a small IT consulting company and with some of my friends and with a couple others, develop a social media application.

Although I currently don't do Physics really anywhere but school, my background in Engineering Physics and Mathematics has been a great advantage everywhere. We are known as smart, diligent and relentless workers. Those qualities, if some, are beneficial wherever you go.

Artturi Jalli

My interest in mathematics and finance led me to work with risk functions in Aktia bank for three summers as an intern and later as a part-time analyst during the studies. I got to model the risks of loan stock from different perspectives, creating and accelerating internal reporting and making data-based ad hoc checks from different processes in the bank.

"To understand the career opportunities as widely as possible, ask the older students where they work and what they do!"

Later in my studies I participated in the Data Science competition held by Boston Consulting Group (BCG), which sparked my interest in management consulting. In the fall 2019 I worked as an intern in BCG Gamma (Data Science department of BCG). I took part in a project in Stockholm, in which we built a recommender system to our customer to support the growth in sales.

For the fuksis still in the beginning of their career path I would like to give the following advice: To understand the career opportunities as widely as possible, ask the older students where they work and what they do! There



are lots of different job options compared to other programs, so everyone will surely find their own thing.

Otto Saikkonen



After the summer, I was offered a part time contract, and until now I have been working at VTT. Working besides studying proved to be challenging in the beginning, but after some time I found a nice balance.

"It has been rewarding to notice how the skills learned in school have been useful in work."

In my work, I have got to introduce myself in the depths of traditional reactor physics. Recently I've been modeling a reactor heart and developing tools to make the modeling easier. Programming skills have been very useful! I also get to participate in interesting scientific meetings and even present my own results in conferences.

It has been rewarding to notice how the skills learned in school have been useful in work. Still, you always learn something new in work. But now, enjoy your summer and especially your upcoming studies - work will wait!

Unna Lauranto

Hey! I am Unna, a sixth-year physics student, and I work for VTT with nuclear reactors.

My interest in the nuclear energy field started to grow when I started as a summer intern in a Fusion and plasma physics research group here at Aalto university. During the summer I wrote my bachelor thesis and obtained a deeper understanding of both plasma physics and the world's energy needs. Fascinated, I decided to apply to work around similar subjects the next summer as well -- this time with a bit more traditional approach to nuclear energy. I got the position as an Aalto external in a research group of VTT.



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TRAFFIC LIGHTS OF THE YEAR AMUSES DRIVERS - TECH STUDENTS DELIGHT WITH A FUNNY COSTUME



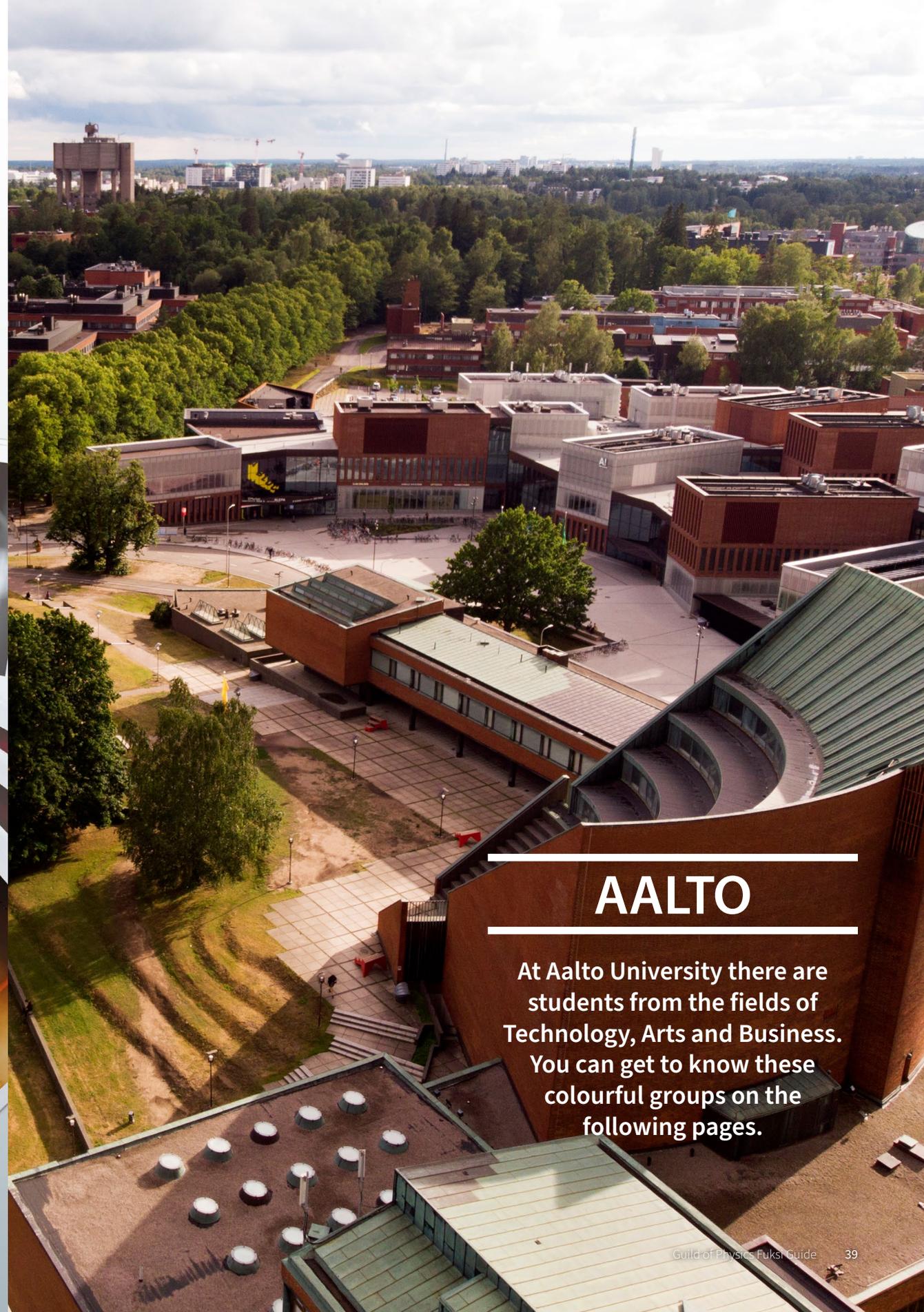
VARI O



THE BEST JÄYNNÄ OF THE YEAR WAS AWARDED ONCE AGAIN AT THE FESTIVE OTANIEMI JÄYNNÄ FINALS

Dipolopiskely

... Varti-Heikki joutui viime viikolla teekkariyö...
... 18. marraskuuta jul...
... 800 langan kotibilein...
... soveltuvasta opiskelijakam...
... pusta. Lina Espoossa...
... -iltoihin kukaan ovat...
... teekkarit loppuensa...



AALTO

At Aalto University there are students from the fields of Technology, Arts and Business. You can get to know these colourful groups on the following pages.

Fuksi Major's Greetings

Greetings dear new student of technology, fuksi,

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

My name is Fanni Mattsson, and I am your Fuksi Major. My task, together with the Fuksi Captains and tutors (BIGs), is to make your first year at Aalto University unique and unforgettable. I am working under the Aalto University Student Union (AYY) and I lead the Fuksi Committee (commonly known as FTKM), which consists of all of the Fuksi Captains from science, engineering and Young Designers associations.

Aalto University was founded in 2010, and along with that, students of arts and business have also come to Otaniemi. Prior to that there were only Teekkaris in Otaniemi. The multidisciplinary university, as well as the Aalto community, enable extremely rich and active student and recreational activities to complement your studies. Everyone is sure to find some activity that interests them with a like-minded group!

Although Aalto University is a relatively young university, there have been Teekkaris for more than a century. Teekkari turns 150 years next year, and along with that teekkari has a very long history. I hope you keep this in mind as you explore the wonderful world of teekkari. A lot of traditions have been born in the last 150 years. However, a lot of development has happened, and like many other things, teekkari is also evolving all the time.

The Teekkari community, into which you are warmly welcome, is unique in many ways. 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 and will to get things done characterises Teekkaris the best. That can be seen especially in different projects where working together, having fun and open-mindedness meet. I strongly en-



courage you, dear fuksi, to mould the Teekkari activities according to your own image. Otaniemi is a great place to try all kinds of new and wonderful things!

Teekkaris have been in Otaniemi since 1966, and before that the school was in Helsinki (Helsinki University of Technology). Outside Otaniemi, Teekkaris are known for their pranks (Jäynä), Tempaus, Teekkari songs and the most prized distinction of a Teekkari, the tasseled cap (Teekkarilakki), which was developed in 1893. The tasseled community aims to evoke cheer and joy not only within itself, but also to those around it. In the end, the Teekkari culture is made of all the crazy and fun things that Teekkaris happen to come up with.



Fuksi development and upbringing has long traditions in Otaniemi, too. My, and above all, your Fuksi Captains' task is to help you to get started with student life, as well as to guide you through the entire first school year. During your fuksi year, your task is to collect fuksi points from various events and activities, and by collecting fuksi points you'll earn your very own Teekkari cap. The fuksi points will introduce you to the Teekkari culture, our long-standing traditions as well as to other students in Otaniemi, not to mention all the fun memories you'll get! Your 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 piece of advice to you, future Teekkari, is that I encourage you to throw yourself into the activities with all your heart. I sincerely hope you make new friends with whom you will spend the next years. So, get to know your classmates, Fuksi Captains, BIGs and other residents of Otaniemi! In addition to studies, working and experiencing together is the best that your study time at our university can offer you. We at the Fuksi Com-

mittee, your guild or student association, and countless others create the framework for activities and organize events to the best of our ability. After all, you will get to decide for yourself what kind of fuksi year you want to make. A unique year awaits you, so I recommend you to make the most of it!

I am in the privileged position of accompanying you and your fuksi comrades on your journey to becoming Teekkaris. Feel free to come and chat with me anytime, I hope to get to know you too!

I wish you a memorable fuksi year!

Fanni Mattsson
Fuksi Major

Phuxivatorns hälsning

Phuxivator is the Fuksi Captain at Teknologföreningen, TF, the student nation that takes care of all fuksis who speak or wants to learn Swedish.

Ett stort GRATTIS till din studieplats på teknisk fysik och matematik och välkommen till Aalto-universitetet! Du skulle inte ha kunnat välja bättre, för framför dig har du nämligen ett helt fantastiskt phuxår. Jag heter Malena Österman och är Phuxivator på Teknologföreningen, TF, den svenskspråkiga nationen vid Aalto-universitetet. Min viktigaste uppgift är att ta hand om TF:s phuxar, alltså just dig.

För att bli medlem i Teknologföreningen behöver du ingenting annat än ett intresse för att tala svenska, oavsett vad du studerar. TF är till för alla, ”ruotsinkielisille ja ruotsinmielisille”! Ta gärna tillfället i akt och skriv in dig då dina storasyskon tar dig till Urdsbjällar under Aalto-universitetets introduktionsvecka! Ifall du är nyfiken på allt vad vi gör på Teknologföreningen, så är det bara att kontakta mig eller komma på besök till Urds!

Kom ihåg att vila och njuta av sommaren. Genast från början kommer det hända mycket och det kommer att ordnas en massa program för er phuxar. Jag rekommenderar starkt att modigt vara med i allt genast från början för då lär du känna de andra phuxarna och även äldre studerande. Du skall dessutom samla phuxpoäng, för de som får tillräckligt med phuxpoäng kan nämligen få teknologmössan till Wappen (om den ordnas)!

Jag vet att Anna och Henri kommer att ta bra hand om dig, men du skall veta att jag också alltid finns här för dig. Läs igenom hela denna blaska ordentligt, för att den innehåller mycket bra information. Jag hoppas att du har en skön sommar så ses vi sen i september! :)

Kram,



Malena Österman
Phuxivator
phuxivator@tf.fi
Telegram: @phuxivator



image credit: Fredrik Gamst Nielsen



The Fuksi Committee, FTMK, brings together all Fuksi Captains from the associations that receive fuksis. The Fuksi Committee is led by Fuksi Major Fanni.

SCI, SCI, SCI!

The School of Science (SCI) consists of five guilds: Guild of Physics, Athene, Prodeko, Data Guild and Computer Science Guild.

In the picture SCI Captains Henri, Anna, Elina, Pekka, Hanne and Miikka.





Guilds

In Aalto University, there are many more students of technology besides us physicists, mathematicians and systems scientists. Here you can get to know a bit about the teekkari guilds that receive fuksis.



Teknologföreningen, TF, is the Swedish-speaking and the only student nation at Aalto. Everyone is welcome to TF regardless of study programme or language. The only requirement is to be interested in learning or speaking Swedish. Teknologföreningen's spaces and own student restaurant are located in Urdsdjallar, the big concrete building next to Dipoli. TF-members are recognized from their dark red, also known as technology red, overalls.

The Guild of Surveying Engineers, Maanmittarikilta, is the association for students in the degree program of Built Environment. MK, established in 1901, is the oldest guild that 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 was founded in 1908 and is Otaniemi's second oldest guild still receiving fuksis. It is home to students of Architecture, Landscape Architecture and Interior Architecture, so the members are a mix of students with technical and artistic backgrounds. The Guild of Architecture's overalls are off-white ("painter white") and made of very easily soiled cotton. The Landscape Architects can be identified by the tree on the back of the left leg. Interior Architects design their own fabric to decorate their overalls with. 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 "Raksa", 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. Before 2013, the guild members majored in Building and Environmental Technology. Raksa members are easily identified by their builders blue overalls and their legendary chant of "RAKSA JAKSAA" ("Raksa perseveres!").



The Guild of Mechanical Engineers was founded in 1915, and even with 106 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. KIK members can be recognized by their cheerful pink overalls, their pink caterpillar tractor mascot and their jubilant chants of "Yy, kaa, KO, NE!" ("one, two, THREE, FOUR / MACHINE").

The Guild of Electrical Engineers was founded in 1921 and just turned 100 years! The energetic electrical engineers can be identified by their pure white overalls with new cog logo on back of the overalls. You can also spot the old lightbulb logo from older students' overalls. 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. SIK's chant is "Jappadaida, jappadaida, Hei, hyvä SIK!"



The Guild of Physics (aka Fysikkokilta, FK) is a subject association founded in 1947. It gathers under one roof all Engineering Physics and Mathematics students as well as Quantum Technology students in Aalto. Each guild member specializes in either physics, mathematics or systems sciences, unless they study Quantum Tech. The guild's overalls are natural white. In order to get the right shade, fuksis dye their overalls with tea.

The Guild of Industrial Engineers (Prodeko) was founded in 1966, although it says 1866 in their overalls due to a legendary mistake. 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 on for the first time in November at the Sikajuhlat, to which you are also warmly welcome!



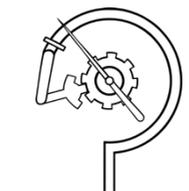
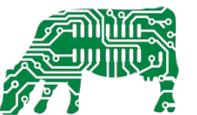
Computer Science Guild is a student association founded in 1986. The Computer Science Guild is one of the largest in Otaniemi. Members of the guild wear shiny black overalls with an unofficial @-logo in the back.

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.



Athene, the Guild of Information Networks, was 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 green or "Athene green". The overalls' left sleeve, collars and back pockets are black as a tribute to when Athene separated from the Computer Science Guild in 2003. The eye of Athene is the official logo which can be spotted from the overalls.

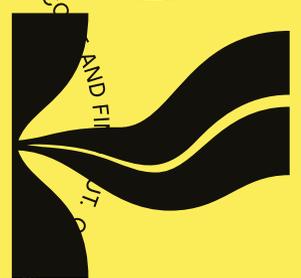
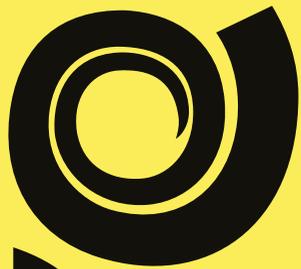
The Guild of Bioinformation Technology (Inkubio) was founded in 2007 and is thus Otaniemi's second youngest and the bestest guild. As the result of a historic spelling mistake, Inkubio's overalls are a reddish brown, and they are decorated with white "cow" patches, which guild members sew on themselves, 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.



The Association of Process Engineering Students gathers Chemical Engineering students in the whole Finnish programme and also in English bachelor programme. Founded in 2012, PT is one of the youngest student associations in Otaniemi. PT's overalls are blue and have three stripes on each limb as a reminder of three old guilds. The association's logo can be found on the back: it shows a bourdon tube pressure gauge measuring pressure, one of processes' most important variables.

Data Guild is the guild for students of the degree programme in Data Science. Founded in 2019, it is the youngest guild in Otaniemi. Its current members can be recognized by their shiny black overalls with a silver sleeve while future fuksis will have silver overalls with a black sleeve to commemorate the time of Data Science students as part of the Computer Science Guild.





TOKYO RY IS A STUDENT ORGANIZATION WHICH BRINGS TOGETHER STUDENTS OF AALTO UNIVERSITY SCHOOL OF ARTS, DESIGN AND ARCHITECTURE.

There are multiple subject organizations within Aalto ARTS, but TOKYO is the umbrella association open to all ARTS students. As a school level association TOKYO takes an active part in student advocacy and organizes events to gather together all the ARTS minded students and alumni. Events include: Lapland trip, Maskerad (costume party around Halloween) and Christmas Sales, where students can sell their art. TOKYO is turning 60 years this year, so be prepared for some proper celebrations! TOKYO also owns Kipsari and Kipsari Studio - two great vegetarian restaurants located on campus - as well as Torso magazine, which you could be a part of.

SEP 11 START ARTS

CHERRY ON TOP OF THE ORIENTATION WEEK EVENTS

MID-OCTOBER TOKYO LAPLAND TRIP

YOU HAVEN'T BEEN TO FINLAND
IF YOU HAVEN'T BEEN THERE

END OF OCTOBER MASKERAD

GET YOUR COSTUME READY AND
LET'S CELEBRATE TOKYO'S 60TH BIRTHDAY

END OF NOVEMBER CHRISTMAS SALES

SELL YOUR ART OR BUY
AUTHENTIC PRESENTS

HELLO FUKSI AND WELCOME TO AALTO COMMUNITY!

KY - AALTO UNIVERSITY BUSINESS STUDENTS

We are KY, a community of more than 3000 business students, "kylteris". Our purpose in the Aalto community is to cherish our 110-year-old traditions, uphold KY culture and advocate for our members. At the campus you can spot us in our dollar green overalls!

KY is home for hundreds of volunteers, who participate actively in KY's clubs, subject clubs, subcommittees and committees. They organize a wide selection of activities to make sure that everyone gets the most out of their time in the university. We have many traditional events that are also open for anyone in the Aalto community, such as the adventure competition Aalto City Challenge, Hukkaputki pub crawl and KY Wappu. Follow us on social media to spot the ticket sales!

Website: ky.fi
Instagram: [@ky_1911](https://www.instagram.com/@ky_1911)



PROBBA

Probba is the Student Association of Aalto University School of Business, Mikkeli Campus. All students who study at Mikkeli campus are members of Probba, bringing their size to around 240 members.

Website: probba.org
Instagram: [probbary](https://www.instagram.com/probbary)



Teekkarispeksi – yli 100 tekijän
improvisaatiolla höystetty
opiskelijamusikaali



näytteleminen, tanssi, musiikki, tekniikka, lavastus, puvustus,
grafiikka, valokuvaus, markkinointi, yrityssuhteet...



Löydä itsesi – tule tekemään Teekkarispeksiä!

Kaikille avoimet improvisaatio- ja
tanssikurssit syyslukukaudella
teekkarispeksi.fi



16.10
SAVOY-TEATERN

SHOWBILJETTER VIA LIPPU.FI
LÄS MER PÅ VÅR HEMSIDA
HUMPS60.FI

HUMPSVAKAR

Opus LX

60



BIGS AND FUKSI GROUPS

Meet the BIG Coordinator, International Captain and our magnificent group of BIGs. They will ensure that your fuksi year will be amazing and no one is left alone.



Greetings from the BIG Coordinator

Hiya!

My name is Kalle, and I am a 4th year physics student. In 2021 I am the BIG Coordinator of the Guild of Physics, meaning that I lead the superb group of the Guild's BIGs! The BIGs are older students, typically on their second year. They have a highly important job in the Guild: to help you, the new fuksi, get a smooth start to your studies and student life.

On the first day of the orientation week you will be placed in one of the thirteen fuksi groups, each of which will be guided by one of the BIG groups introduced in the following pages. The people in the same fuksi group are often the first ones that you get to know better. Therefore, don't hesitate to join the activities guided by your BIGs – I am certain you won't regret this.

In addition, BIGs already know how the things work in Aalto and Otaniemi. "How do I register on courses? Where do you get lunch at a student price? Where can you find the best parties?" The BIGs can help you in each and every one of these questions.



Lastly, I want to welcome you to Guild of Physics on my own behalf. Take everything out of your fuksi year!

See you in autumn!

Kalle Jyrkinen
BIG Coordinator
kalle.jyrkinen@fysikkokilta.fi
Telegram: @kallejii



Fun-da-mental party-cles

Get ready for entanglement!! Like elementary particles, by ourselves we are not much, but together we form into composite particles of FUN that define how we experience the universe. Like electrons dance around a nucleus we party around Otaniemi with uncertain momentum and position. Through strong and weak interactions during your fuksi year, you will learn to become a full-fledged teekkari.

Together we will explore the wonders of our campus, how to survive with too many courses at once and what it means to be a Teekkari. We will guide you to the right courses and coordinates, so don't worry about getting mental with your QT experience!

*Leo, Kautilya, Jarno,
Karoliina, Linan*



QUANTUM BIG GROUPS

Quantum-plators

Do you love to contemplate the important questions in life: Does pineapple belong on pizza? (spoiler Alert: They don't!)? Can Amina stop bullying people? Can Syed stop being bullyable (yes, it's a word)? Or is time travel maybe, just maybe, possible? If you answered anything but no to any of these questions you may be in need of some guidance, and we are here to give it!

We are second- and third-year students who didn't get enough from our fuksi year because of corona, so now we are here to party with you! In addition, we'll make sure your transition into university life would be smooth and enjoyable. We'll guide you through the confusing labyrinth that is the Otaniemi campus, show you the best student canteens and party places, tell you about different guilds and associations and make your fuksi year the best year ever possible!

Looking forward to meeting you this August!

*Kirill, Jaakko, Syed,
Amina*



Eetteripyörreaallot

Wave goodbye to your previous life as you prepare to land ashore Aalto University. As your BIGs we are here to pilot you through the surges of your new student life. Eetteripyörreaallot in specific are ready to clear your way to experience the new depths of a great community.

So what are you waiting for? Hop on and hold on tight because a turbulent year is ahead of you full of opportunities and moments to treasure.

And the same in English: We hope you have a great summer and hope to see all y'all in the fall. There is so much to see, do and experience at Aalto, and we BIGs along with the entire Guild of Physics hope to support you in making the most of it.



Leo, Mikko, Pinjo, Iris, Cosmo, Henrik, Elli

TFM BIG GROUPS

Vetovoimaiset

Hi fuksis! We can't wait for you to join our attraction field!

As you will notice during the following year, our group is all about good feels (or how we as physicist say "good Φ s"). Our group's directional vector points towards Otaniemi where all of the fun (and work) awaits for you! Here as a counterforce to all of the work and responsibilities, we will exert joy and entertainment of 160329031123 newtons, which will keep you on the right (circular????) path. When the attractive force of Fysikkokilta grows, the acceleration towards Teekkarius is at its peak! As Newton states in his first law: you will continue your journey at a constant rate into the depths of being a physicist. But worry no more! As your adventure among the different forces progresses, we BIGs will always stay as a supportive normal force guiding you the way! We are excited to have you!



Iina, Annika, Julia, Santra, Roosa, Isa



The Witty Nabla Orchestra of Rosenbrock's Banana Valley

Sebastian, Aleksander, Kasper, Konsta, Juuso, Pyry, Tomi

The Witty Nabla Orchestra of Rosenbrock's Banana valley is the world's most optimal Otaniemi-based BIG-orchestra! With us you can find the optimal direction of your life and emerge almost unscathed from the divergent days of your fuksi-year. And of course, your journey to wappu will be pleasurable gradient descent right to the bottom of the valley: to the soothing sound of nablas and the delightful taste of fresh, sweet bananas.

The BIGs of this group know the chords and melodies of student life and are ready to accompany fuksis with both their academic goals, and free-time playing. Maybe it's you who will join our dissonant group!





Jacobian Matrix Porridge

*Riku, Vili, Santeri,
Ilari, Akseli, Joonas, Aini*

Jacobian matrix porridge supports the transformation from fuksi to teekkari throughout the year. Things can get a bit crazy with us but everyone knows that porridge will be burned without stirring the pot.

Fuksi year is a roller coaster with its ups and downs, but luckily our gentle BIGs make the ride smoother. You can rely on us regardless of the situation – this gruel is everything but cruel. Each member is an invaluable ingredient of a delicious mush. Join our spectacular journey in a huge pot of porridge so be there or be a square matrix!

“Porridge is tasty.”
–Morpheus, 1999



Thomson’s Raisins

Forget about the uncertainty principles, Thomson’s raisins warmly welcome you to become a part of the awesome Guild of Physics and the marvellous activities it offers! Opportunities to meet new people and ideas have strong presence in fuksi lifestyle. All you need is an open mind and a bit of courage. Take the beginning of your studies as a fantastic opportunity!

We are here to help and guide you towards all kinds of fascinating activities and adventures. Please remember to eat the buns too. See you in autumn!

*Tuomas, Matias,
Oskari, Jaakko, Heikki, Olli*

Edmund Adolph Geiszler Instituutti

*Veikko, Mikael, Veera,
Liia, Gabriella,
Ville-Eemeli*

Since the ancient Phoenicians established the thousand-year-old community of the Instituutti, which now can be found practicing its traditions in the gentle arms of Otaniemi’s Guild of Physics. As a member of the Instituutti, you will enjoy a royal honey filled toast in the dead of night, and be a part of light-hearted entertainment forms. When the time is ripe, the magic of the Insituutti will be revealed. We wish you, new fuksis, a heart-felt welcome to the Guild of Physics!



:Dekadenssi

(eng. :Decline)

According to one approximation, for roughly a thousand years one another more decadent persons have formed alliances and strived to bring about thoughts of advocates of more left-hand side leaning theories of, for the most part, privatisation-based economies’ inevitable, ruinous and disastrous outcome. Now we need new hand-picked fuksis to

spread this decadent and joyous message and to be a link in this unbroken chain. BIGs Vilma, Samuel, Joel, Johannes, Petteri and Tommi, who have already been degenerating for a year, will help you to evaluate the square sums of parties gone over-time and mid-day assignment returns with pleasure.





Joni, Eero, Dan, Calvin, Aaron, Hugh, Ernie

Business Management's Real Interest Rate Arena

We are Ernie, Eero, Hugh, Dan, Joni, Calvin, Aaron. Together we form the business management's real interest rate arena. Despite our name and rigid exterior, we are here to make your fuksi year excellent. The purpose of our interest rate arena arena is to offer you good vibes in your studying and in your free time. We welcome you to the goings of Otaniemi and into the world of endless nights of studying, short weeks, new friends and menacing deadlines.

Fibonacit ja muusi

When grilling fibonaccis it's okay even if the first ones fail since the next one is always at least as good as the previous two combined. Keeping this in mind you'll have a great first year. Fibonacit ja muusi will help you get through lectures, exercise sessions and orientation week's events. In our group no fuksi is left hungry. Welcome to Otaniemi!

"Nacci is a small-sized sausage"
-Fibonacci, 1235



Vesa, Leevi, Saara, Theo, Sanna, Julius

Gauss it

In a constantly changing world only one thing survives: "Gauss it quickly:D" is something often heard around Otaniemi.

But Gaussing is something much more universal. Morning lectures? Gauss it. Teekkaricap? Gauss it. Teekkariactivities? Gauss it. Gauss it? Gauss it. Our laps are warm and touches gentle.

Welcome to Aalto on our behalf as well!

Lotta, Veikka, Anton, Lassi, Oskar, Venla, Tuomas



Vesa-Pekka, Joonas, Petteri, Emma, Aleks, Laura

Lagrange Ladies

Ladies from a small Texan village to be unnamed welcome you with open arms to the cradle of Otaniemi! During the upcoming year we shall familiarize you to teekkari-culture: we shall help you to optimize your studies and to maximize the fun you have!

$$fuksiyear(x,y) = funhaving(x,y) - \lambda \cdot studies(x,y)$$

"About that shack inside Otaniemi":

Even though we haven't been in the Smökki yet, we can lead you there (at least to the /roof). Do not hesitate to rely on us: no matter the problem, the Lagrange ladies shall find the solution!

"A haw, haw, haw, haw, a haw
A haw, haw, haw"

Tupsufuksi Stories

Here are stories from two second-year students. A year ago they were exactly in the same situation as you are right now!

Hello New Fuksis!

Congratulations! You have just unlocked the key to a whirlwind year full of wonder, parties, friends, joy and some deadlines (but we shall not talk about those).

I remember when I was in your shoes: I just got admitted to Aalto, summer was ending and I was freaking out with excitement. I didn't know what to expect. I had so many questions bubbling inside my head, as I am sure you do as well. Needless to say though, the months that came after are one of my favourites so far.

So this is my advice to you: breathe deeply, plaster a smile on your face and enjoy this to the max.

Orientation week and Wappu were probably the highlights of the year. The former was a week of checkpoint rallies, fun, wandering around having no clue what's happening, discovering the campus and most importantly meeting new people. Wappu was absolute madness. The rumours are true. Teekkari life is the best life, as you will soon discover.



Amina Chahla
Quantum Technology tupsufuksi

The first period felt the longest, and I had to get accustomed to the never-ending array of deadlines. Have no fear though, for as they may be more frequent than what you are used to in high school they are easily manageable and assistants provide great hints and help with solving problems. Friends are life saviours as well. We hosted group study sessions before libraries closed due to corona, and even after that met online to study together. So I encourage you not to be shy and make friends. We are all rock and rolling the same boat.

“The rumours are true. Teekkari life is the best life, as you will soon discover.”

Along this year, I got the chance to take interesting courses, some more challenging and some more fun. I took my caffeine addiction to the next level. I met people from various backgrounds and various nationalities and participated in all kinds of events and committees but the most valuable thing I gained is a sense of belonging. No matter what background you come from, whether you are Finnish or not, straight out of high school or middle-aged, you will find acceptance and you will find your niche. And no matter your interests, there will definitely be a committee, an event, or an association that will strike your fancy. So journey forth, be wild, be brave, and sing along as loud as you can to the teekkari hymn at midnight.

On that note, I wish you a wonderful year and if you happen to see me on campus feel free to stop me anytime for a chat!



Welcome to the Guild of Physics! Congratulations for your great choice. You're awaiting a year full of physics, mathematics and wonderful events.

When the first semester started I was immensely thrilled. I finally got to move on my own and start a new chapter in my life. I was afraid that due to the pandemic we wouldn't be able to have any fun. However, I was soon surprised by all the innovative events that were organized for us despite the restrictions. Most of the events were organized remotely, which resulted in spending a bit too much time in front of the computer. Let's hope that we can organize live events during your fuksi year!

During my first year, making new friends was challenging. Most of the studies were done remotely which meant that you didn't automatically spend time with other students during lunch or lectures. You needed to do more than usual in order to maintain friendships but hopefully the upcoming year will be in this regard easier. You know best what kind of people you like to hang out with, and attending the Guild's different events makes finding friends easier. You should also keep in mind online groups and events. During my fuksi year, I found myself maybe too often messing around in one of the guild members' various Telegram groups. Additionally, The Guild of Physics has its own Discord channel where different events are organized. Of course, you don't have

to attend all of the events. They are organized for our entertainment, but sometimes it's good to take a break in the midst of all the action. However, events and hobbies are an excellent way to keep your day-to-day life meaningful.

Studying in the university is challenging. The difference compared to high school is huge and you are more responsible for your studies than previously. There are a lot of assignments but doing them with others makes the workload more bearable. It's tempting to hold on to the myth of a lonely genius scientist. In reality, the greatest accomplishments of humanity are the result of teamwork. Solving problems together is faster and more fun.

“Solving problems together is faster and more fun.”

However, we don't study in a vacuum. Sometimes hard times in life can make studying a troublesome chore. I personally had to overcome these kinds of situations several times during my fuksi year. In times like these, it's important to consider which matters more: your grade or your wellbeing. You can get help from e.g., friends, family, other guild members, or a study psychologist. Studies can also serve as a form of escapism: when you try to solve a difficult problem, you can forget about everything else. Nevertheless, you should be careful with this strategy since it can be hard for you to slow down. Even though the studies might be interesting, it can be useful to analyze your wellbeing. In the long run your studies will thank you. If you don't feel well, you won't study as effectively as you could.

You were probably one of the best at math and physics at your school. Now it's different, and soon you'll find yourself among other brilliant problem solvers. This should be viewed as an asset: in the midst of smart people you'll advance quickly. You also shouldn't worry about your grades too much. Many students find good grades important and grades can serve as a boost for motivation. However, it's crucial to preserve the joy of learning because without it studying can become strenuous. If you have learned the central themes of the course, good grades will follow.

Of course, you can ponder upon your studies later. Now it's time to enjoy the warmth of the summer. See you in autumn!

Santeri Koivula
TFM tupsufuksi

Greetings from the International Captain

Greetings, and congratulations on an excellent choice of coming to Aalto University, and most importantly, welcome to the Guild of Physics!

I am Antti Karjasilta and I'll act as the International Captain for the next academic year in the Guild. That means I am responsible for welcoming new exchange and master students into our guild, Otaniemi and Finland. Additionally, I'll organize awesome events for all internationally minded members, including you!

International activity is not limited to our guild: as an International Captain, I belong to the International Committee (KvTMK), which organizes all kinds of cool events for anyone in Aalto who is interested in internationality. More about these events later on.

Most guild members come from the two Finnish and one English bachelor programs in physics and mathematics, but we welcome everyone are into our ranks as they are, regardless of language or whether you are going to stay here for six months or six years. In this task, I have an amazing team of nearly 20 International tutors, more commonly known as BIGs. You can see them on the next page, but every new exchange or master student will be contacted by a personal BIG, whom you can ask about anything that's on your mind. And remember that you can always ask, whether there is some problem or you have really cool idea for an international event.

Otaniemi is very unique place in Finland and quite likely also in the world. Some of the Teekkari (i.e. tech student) traditions are older than Finland itself, and at the



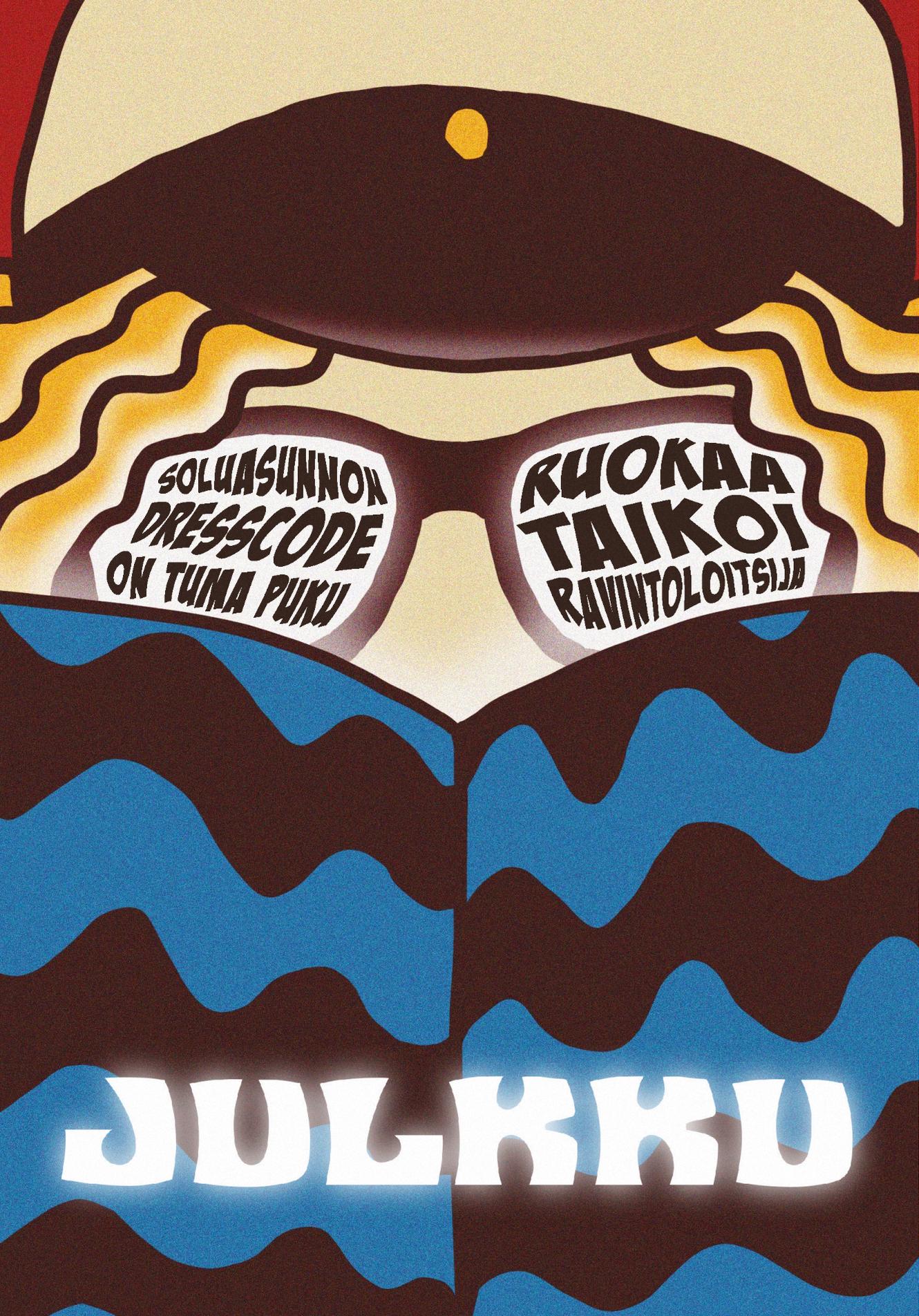
same time new traditions are born all the time. There are many reasons why you could have applied here, ranging from the beautiful Finnish nature, incredible parties and events, the goofy overalls and hats, the mysterious Wappu, but I am sure that you have made the right choice.

Above all else, I want to encourage you to participate actively in the student community in Aalto and find the thing that most suits your tastes. There is an incredible number of things you can do here; not everything might be your thing, but I am certain that there are innumerable amounts of things that you will wholeheartedly enjoy! This is great opportunity for you to not only meet Finnish people, but also different people from all around the world! For all Finnish fuksis I warmly recommend trying out international events and meet new people beyond the language barrier.

Have a nice summer and see you soon!

Antti Karjasilta
International Captain
kv-vastaava@fysikkokilta.fi
Telegram: @anleju





TEKKARI CULTURE

On the following pages you will find a short guide to some of the fundamentals of Teekkari culture. It is impossible to explain fully what being a Teekkari means – you must experience it yourself.



Manifestations of Teekkari Culture

Teekkari cap

The cap is the most important mark of a Teekkari, and one of the goals of the fuksi year. Only Teekkaris are allowed to wear the cap, and only during the summer time (1.5-30.9), unless they get a special permission. When wearing the Teekkari cap, you are representing a large community and should therefore behave accordingly. The cap should be worn with the dignity and pride that is befitting of it.

You have the opportunity to get a Teekkari cap by collecting enough points in the fuksi points card. The brand new cap can be put on for the first time at midnight between Wappu eve and Wappu day. Info about ordering a Teekkari cap will be provided later in the fall.

Sitsit

Sitsit is an academic dinner party, in which fun is had with style and passion. Sitsit usually includes a three-course dinner with complementing drinks. The most important parts of sitsit are enjoying the evening in good company and singing. The songs initiated by the songleader, "lukkari", are an inseparable part of sitsit. The evening also often includes a range of different performances. The dress code for Sitsit is usually cocktail attire, however, occasionally the participants are invited to dress up according to some special theme.

You'll get your first taste of sitsit at the Teekkari culture sitsit in September!

Wappu magazines

Two Wappu magazines are published in Otaniemi: Äpy on odd-numbered years and Julkku on even-numbered years. They are published around a week before Wappu, after which enthusiastic sellers in their overalls rush to the best selling spots in the capital region. You too can join this fun time of Wappu, and at the same time earn a bit of Wappu cash, by selling Julkku!



Singing

Teekkaris usually sing loudly. The most important thing is to join in wholeheartedly, not so much anyone's ear for music.

For the real singers among us, AYY has a number of outstanding choirs, such as the Polytech Choir, one of Finland's top male choirs, as well as the mixed choir Dominante. It is nevertheless good to remember the Teekkaris' number one rule of singing: a Teekkari sings rather than well! There's also a compulsory singing test if you wish to acquire your Teekkari cap on the potential Wappu.

Tempaus

Tempaus is a way for Teekkaris to affect and comment on current affairs with a bit of humour, but still seriously. Every Tempaus sees the participation of a great number of Teekkaris, which allows for drawing much attention and conveying the message effectively. In one of the most famous Tempaus, Otaniemi's Teekkaris carried bricks from the Soviet embassy in the Eastern Harbour Town, brought to ruin by bombings of the the Continuation War, to Otaniemi to be used as building material for the Teekkari Village. The previous Tempaus occurred in 2016, when the importance of education was promoted by visiting almost all of Finland's primary schools. A Tempaus is called to action by a person shrouded in mystery, known only as the Stout-Bearded Engineer, "Jämeräpartainen insinööri". The stout-beard calls a gathering of representatives to fill the Teekkari community in on the details. The call obliges fuksis and Teekkaris alike to join in on the Tempaus with their own contribution. Throughout history, fuksis who have dodged the Tempaus have remained without a Teekkari cap, and even some older students may have had the right to wear the cap revoked, if they have failed to honour the call.

Annual ball

Different guilds and associations celebrate their anniversary with class and distinction. The celebrations usually start with a cocktail party, where invited troupes present gifts to the board of the association. The main celebrations begin soon after, in the form of a high-profile dinner party. The event continues through the afterparty to a brunch on the morning after, known as "sillis". The annual ball of the 74-year-old Guild of Physics is called Fuusio, and it is celebrated in the spring on the Saturday closest to Albert Einstein's birthday.

Spex

Spex is an interactive theatrical show filled with music and dance. The audience can at any point ask the performers to replay a scene by shouting "Omsart!". An extra instruction can be added to the call, for instance "Omsart, in German!", to which the performers have to instantly recreate the scene whilst adding the necessary injections of "Ach!", "Ich komme!", or other such phrases. Each Spex performance is a unique experience.

Under our guild we have our very own spex, the Physicist Spex!

Excursion

An excursion in student terms more specifically means a company visit, however, it is also often used as a general term for other visits outside of Otaniemi. During company visits, there is usually first an official part, where the company presents its operations, after which the mood becomes a bit more casual and one can meet and greet some of the company's employees. In October there is an excursion to Innofactor, aimed specifically for fuksis. Excursions lasting multiple days are known as Half-long, "Puolipitkä", or Long, "Pitkä", depending on their duration. Half-longs are usually arranged within the country and Longs usually abroad.



Overalls

In addition to their caps, Teekkaris can also be recognised by their overalls. However, this isn't unambiguous, as other institutions of higher education also use overalls. Overalls are the representative garb of Teekkaris, and the oldest Teekkari overalls in the collection of the Museum of Student Life date back to around 1961. The discussion about a unified attire for Teekkaris per se had been open since the 1930s, however it wasn't until the 1960s that overalls took the lead as favourites over the previously used lab coats. Overalls are decorated by sewing on a diverse set of embroidered patches, but true overall artists also attach all manner of useful and less useful thingamajigs to their overalls.

Jäynä

Practical jokes, Jäynäs, are an inseparable part of Teekkari culture and they can often be seen in the daily life of Otaniemi in the form of cheerful tricks and installations. An authentic Teekkari Jäynä uses clever means to bring laughter to all parties involved. Jäynäs are often topical and engaging, and make use of technology. A Jäynä should under no circumstances cause harm to anyone or anything, instead it should be an insightful prank or practical joke, that in the end even makes the target of the joke laugh. It's always a good time to do a Jäynä!

The best Jäynä ideas are worth submitting to the official Jäynä competition, which reaches its peak near the potential Wappu in the spring.

We've only scratched the surface of everything you'll get to experience. Find out more in the fall!

Alvari	Student restaurant in the Undergraduate Centre. Can also refer to the Alvari Square.
Amfi	Amphitheatre towering above the Otaniemi skyline. An important altar of Teekkari culture, where e.g. the caps are distributed.
Annihilaatio	Annihilation. Party organized by Guild of Physics fuksis in the spring, open for everyone.
Assari	Course assistant. Coordinates exercise sessions (see Laskarit). At their best capable of explaining things in an understandable way.
BIG, ISO	Your guide and support right from the Orientation Week up until the possible Wappu. Always written in BIG letters.
Bälst	When something happens with great intensity. Entymology possibly from the word “blast”.
Bärs	See Körs.
Dipoli	Colossal labyrinth of a building in Otaniemi, which you’ll get to know in many events.
Eastern Harbour Town	Inhabited region immediately east from Otaniemi. In some circles also known as the capital of this country.
Ellipsis operator “...”	Transforms a mysterious, completely incomprehensible expression into a clean and neatly simplified end result.
Epsilon	Arbitrarily small Greek letter, which can get you in trouble on math courses.
Excursion, excu	Visit of variable length to one or more comapnies in the field.
Fiisut	Songbook of the Guild of Physics.
FTMK	Fuksi Committee. Consists of all Fuksi Captains of Otaniemi.
Fuksi	First-year university student. Easily recognized by the lack of badges on the overalls and the lack of a Teekkari cap. First-year business students are called mursus.
Fuksi Major	Leader of the Fuksi Committee. Decides whether Wappu is organized.
Fuusio	Fusion. The annual ball of the Guild of Physics, always organized on the Saturday closest to Einstein’s birthday. This year the Guild turned 74 years old.
Gravitaatio	Gravitation. Huge winter party organized at a large club in the Eastern Harbour Town.
Hinaus	Towing. Heated argumentation on a more or less meaningful subject, usually observed at the guild room or on a mobile platform. National sport of the Guild of Physics.
Hottis	Committee of leisure of the Guild of Physics. Organizes among other things sauna evenings, culture events and sports events.
Iteration	Repeating the same thing over and over again, until the desired result is achieved. If you didn’t catch that, read this part again.
JMT	Jämeräntaival. One of the densely populated neighborhoods in Otaniemi.
Julkku	Wappu magazine published on even-numbered years.
Jäynä	Practical joke that brings a smile to all parties involved.
Kiltis	Guild room. Our kiltis can be found in the Undergraduate Centre.
Kimble	Popular board game, where success requires masterful tactics. Getting eaten is severely penalized.
Konklaavi	Croquet association, which organizes croquet games with creative penalty practices. The game selection includes relaxed one-off games as well as the traditional summer league.
Kvantti	The house organ of the Guild of Physics, and guild magazines’ supremum.
Kylteri	Business student.
Körs	See Bärs.
Lakinlaskijaiset	Giant party where the Teekkari cap is gracefully lowered into winter hibernation.
Lakuu	Liquorice. Laku for society, laku for life!
Laskarit	Exercise session. Can refer to either the event or the exercises themselves.
LaTeX	Popular typesetting system. Convenient for writing mathematics-laden text, and even more convenient for getting thoroughly frustrated.
Lukkari	Songleader. Leads all things song-related on sitsit, and upholds the Guild’s song culture.
Lörs	Thing or state where not everything is all that fine-tuned. Also a useful filler word.



ManMan	The sexiest, most charming, best, and only Otaniemi-based physicist show dance group in the world.
MT	Miestentie. Center of student housing at the southwest corner of Otaniemi.
Museum of Student Life	The oldest museum presenting student cultural history in Finland. Grounded in 1958. Located in the JMT 3A cellar. Known before 2021 as “Polyteekkarimuseo”, i.e. “Polytechnical Students’ Museum”.
N	Year of studies after the fourth one.
Nepsu	Name that fourth-year students go by.
Noppa	ECTS study credit (cr, op). Quasi-standardized unit used for tracking the completion of studies.
OK20	Otakaari 20. Contains housing as well as sauna and sitsi spaces.
Order of Malt, MaltRK	Thousand-year organization, which is from time to time seen helping organize guild events. Dresses in robes.
Ossin linna	Otakaari 18. Contains housing as well as a sauna called Ossinsauna and a space called Ossinkulma.
Otanize	When everything you need is in Otaniemi.
Palju	Hot tub. Very relaxing. Fits n+1 Teekkaris.
Phi, Φ	The most beautiful and well-proportioned of the Greek letters. Symbol of the Guild of Physics.
Pilalla	Ruined. When something just isn’t quite like it should be.
Pitkä	Long. Excursion lasting at least one week, usually abroad.
Prujata	“Can I just quickly glance at your laskarit?”
Pruju	Lecture notes compiled by the professor.
Puolipitkä	Half-long. Excursion lasting multiple days but under one week, usually within Finland.
Pöhinä	State, where a group develops astoundingly innovative ideas.
Raati	Board of the Guild of Physics. Elected annually in the election meeting, usually in November.
Rantsu	Rantasauna. Sauna on the eastern shore, built with Teekkari spirit and partly labour, too.
Report	Method of transforming haphazard laboratory measurements into scientific work.
RWBK	Newer-French-horn-music-playing technology student voluntary fire brigade orchestra from Espoo.
SCI SCI SCI	Battle cry of the School of Science. We ski while shouting.
Setä, täti, käpy	Slightly older student. Half of what they say begins with “When I was a fuksi...”
Sillis	“Herring breakfast”, which despite the name rarely includes herring and is more of a brunch than a breakfast. Held on the next day of annual balls, and possibly other parties as well.
Sisis	Event division of the Guild of Physics. Organizes parties and sitsit (see Sitsit).
Sitsit	Academic dinner party, where food is eaten, drinks are drunk, songs are sung, and fun is had.
SMT	Servin Maijan tie, aka Family Village. One of the densely populated neighborhoods in Otaniemi.
Smökki	Servin mökki, Jämeräntaival 4. Common space for sitsit and parties.
Teekkari cap	Tasseled, hexagonal cap in Aalto. The permission to wear one can be obtained on Wappu of the fuksi year at the earliest.
Telegram, tele, TG	Messaging app widely used in Otaniemi. Somewhat like WhatsApp, but immensely more functional.
Tempaus	Way for Teekkaris to draw attention to something they deem important.
Tripsu	Name that third-year students go by.
Trivial	Mathematical terminology: “I know.” Also “Absolutely no idea how we obtained this result, but...” → “It is trivially seen that...”
Tupsu	Tassle. Ornament of the Teekkari cap. Also a name that second-year students go by.
Täffä	Name that Teknologföreningen, AYY’s Swedish-speaking nation, as well as its strange concrete building and the restaurant therein go by.
Ullis	Ullanlinnamäki in Kaivopuisto area of the Eastern Harbour Town. Site for sledging in the winter, and a picnic sillis on Wappu day.
Undergraduate Centre	Building at Otakaari 1, where the guild room is also found. Former main building of the university, giving rise to the commonly used name “päälafka”, i.e. “Main Building”.
Wappu	Fascinating time period organized potentially between the start of April and May. Huge and traditional festivity, where fuksis who gathered enough points get their cap. Must be experienced first-hand.
Äpy	Wappu publication published on even-numbered years.

Otaniemi Campus Map



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| 1. Undergraduate Centre, aka Main Building (päälafka). Here you'll find the guild room | 11. AYY Central Office, aka Keto |
| 2. TUAS Building (TUAS-talo). Make your way here on the first day of Orientation Week! | 12. Dipoli, the official university main building |
| 3. CS Building (T-talo) | 13. Otahalli and Unisport |
| 4. PHYS Building (Nanotalo) | 14. Otaranta. The Kiljava buses leave from here! |
| 5. ENG Building (Konelafka) | 15. TF, aka Täffä |
| 6. CHEM Building (Kemianlafka) | 16. Otakaari 20, aka OK20 |
| 7. Maari Building (Maarintalo) | 17. Otakaari 18 and Ossinkulma. Here you'll find the Kaukarit pre-party! |
| 8. Väre and A Bloc. Here you'll find grocery stores and a metro station | 18. Servin mökki, aka Smökki |
| 9. Harald Herlin Learning Centre, aka Library | 19. Rantasauna, aka Rantsu |
| 10. Alvari Square. See you here at the Headstart! | 20. Museum of Student Life |
| | 21. Ossinlampi |
| | 22. Finnish Student Health Service, FSHS (YTHS) |



Awesome to have you join the Guild of Physics and the Aalto community!
The coming year will be unforgettable, let's rock!

– Henri, Anna, Kalle, Antti

Follow the Guild of Physics!

- The Guild's website: fyysikkokilta.fi/en
- Facebook: facebook.com/fyysikkokilta
- Instagram: [@fyysikkokilta](https://instagram.com/fyysikkokilta)



Remember these:

- Join the FK Fuksit 21 group on Facebook at facebook.com/groups/fkfuksit21
- Download the Telegram app and join the FK Fuksit 21 and Quantum groups at t.me/FKfuksit21 and t.me/FKquantum21
- Sign up to the Headstart Sat 4.9. with the nearby QR code or at ilmo.fyysikkokilta.fi/event/154

NOTE! IT IS OF THE UTMOST IMPORTANCE THAT YOU'LL JOIN THE FACEBOOK AND TELEGRAM GROUPS ALREADY DURING SUMMER! We will update there the latest information about the Headstart and orientation week in the light of the pandemic situation.

ENJOY THE SUMMER!



SO DO YOUR
CAPTAINS <3
