



6G research and possible opportunities 6G FLAGSHIP



6G Flagship, Center for Wireless Communications, University of Oulu





OULU





CAPITAL OF NORTHERN SCANDINAVIA

NORTHERN, HUMANE AND SMART OULU

HOME OF 208,000 PEOPLE

CYCLING CAPITAL OF FINLAND





CITY OF TECHNOLOGY - MOST PER CAPITA R&D INVESTMENTS







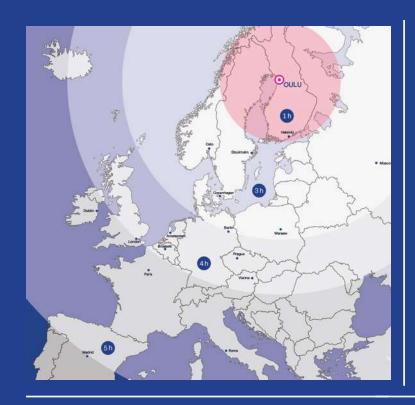
University of Oulu







The University of Oulu in brief



Natural Sciences and Mathematics

%

Engineering and Architecture

ß

Biosciences

Information and Communication Technologies

5

Medicine and Health

Psychology

0

Economics and Business Administration

M

Education and Humanities

00

13 900 Students

3 800 Staff 65 000+
Alumni

University of Oulu



International cooperation

Participating in international science networks is the foundation for the University's renewal and development.

Bilateral cooperation agreements with universities

57

International Master's Programmes

24

Erasmus network: No. of agreements

410

Different nationalities in the university community

92

Erasmus network: Partner Universities

256

13 900

Students

1 470

International students (2021)

843

Exchange students

University of Oulu



Our students learn how to solve global challenges

We train skilled and adaptable professionals who are able to apply the latest scientific knowledge and technology to practical challenges.



Climate change and sustainable development



Health and wellbeing



Man and the changing world



Artificial intelligence and digitalisation



Key figures

Funding total in 2022 M€

274

Research based spin-off companies since 2000

76

Bachelor's degrees in 2022

1 205

Master's degrees in 2022

1 407

International rankings

301-500

Invention and sofware disclosures in 2022

56

Doctor's degrees in 2022

170

top 3% of the world's universities

3006

Scientific publications in 2022

2 784

Degrees in 2022



6G Flagship







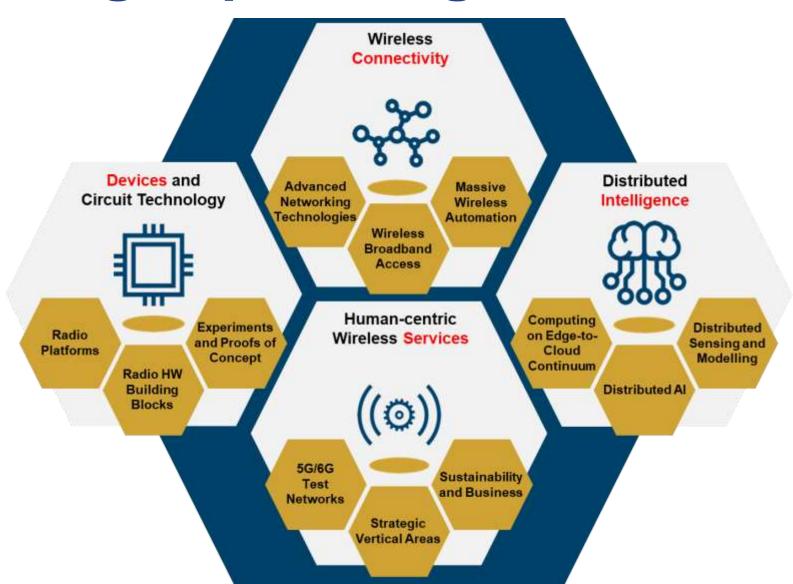
OF OULU

Facts sheet

- National research flagship for 2018 2026.
- Successfully completed the first phase in 2018 –
 2022.
- Operated by University of Oulu.
- Currently involves 400 researchers from 50 nationalities.
- Steered the first 6G visions work via 13 6G White
 Papers (downloaded over 1M times).
- Published 2500 per-reviewed papers and 85 doctoral theses.
- Over 400 company collaborators and more than 300 research projects so far.

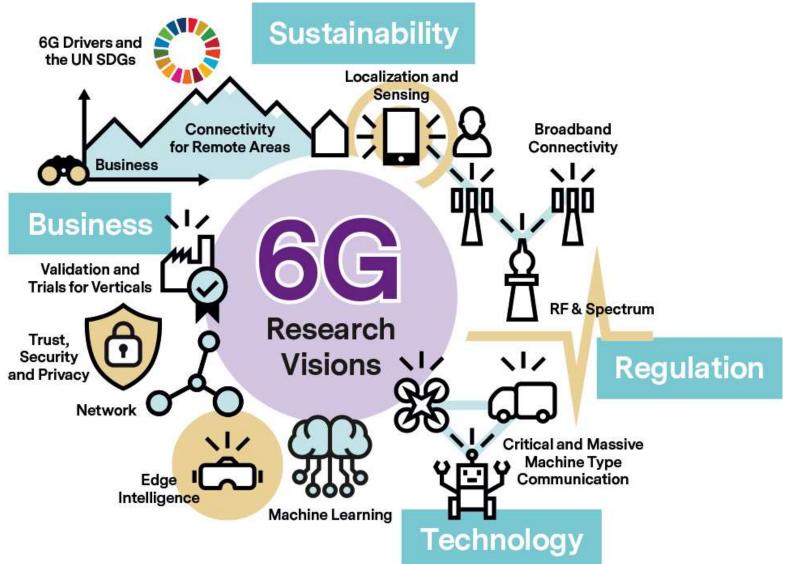


6G Flagship Strategic Research Areas





Unique Research Agenda



The first-ever 6G white paper came out in 2019. Since then, other white papers have envisioned various future scenarios.

The 6G research visions will take you on a journey to explore the possibilities and imagine the opportunities in the 2030s.



READ MORE ON OUR VISIONS



Testimonial: Oulu is the best choice for a 6G researcher

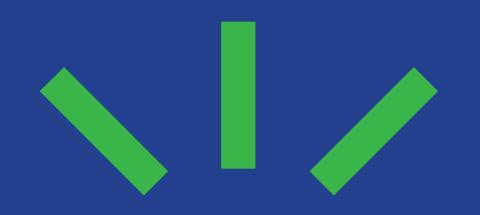




Researcher stories and Achievements

"Communication between machines is an integral part of the design of the entire 6G technology." 回探器

Asst. Professor Onel Alcaraz López



Doctoral training University of Oulu Graduate School (UniOGS)



- Doctoral researchers at the University of Oulu are part of our international, multidisciplinary scientific community.
- Each doctoral researcher belongs to one doctoral programs:
- the content of the education and the final degree are determined by the doctoral degree program.



4
Doctoral
programmes

22Doctoral degree programmes

48 Majors 1600
Doctoral researchers



Requirements for doctoral study admission

https://www.oulu.fi/en/science-arctic-attitude/graduate-school

- 1. Principal supervisor: Each doctoral student must have a principal supervisor who commits to the supervision of the student's doctoral training.
- 2. Relevant Master of Science (MSc) degree
- 3. Grade requirements: MSc degree must have been completed with good grades (at least 60% of maximum grade, or 3/5, in both taught studies and the Master's thesis)
- 4. Sufficient language skills (English and/or Finnish)
- 5. Research plan

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Study requirements and thesis



Open (PhD and Post Doc) Positions

https://oulunyliopisto.varbi.com/en/

- Doctoral research and studies correspond to
 4 years of full-time work
- Most significant part of doctoral training is the research, which the doctoral researcher plans and conducts with the support of his/her supervisor.
- Depending on the discipline, 20 to 40 ECTS credits of courses and/or other research-related activities are required.
- Doctoral researcher must write a doctoral dissertation and defend it to complete the degree.
- Doctoral training culminates in a doctoral thesis defence, where doctoral thesis is examined publicly.

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Finland Fellowship Programme

- For talented students from non-EU countries
- 100% salary funding for the first year of research work of a new starting doctoral researcher.
- A relocation compensation of 2 000€ is paid to the Fellowship recipient's Finnish bank account after acceptance to the programme.
- Students indicate their interest in joining the Finland Fellowship programme when completing their study right application.
- The selection of a limited number of most talented students is done by the doctoral programme committees of the University of Oulu Graduate School based on the evaluation criteria (see next slide).

https://www.oulu.fi/en/research/graduate-school/admissions/finland-fellowship-programme-doctoral-researchers



How to Apply?

- 1. Call deadline: 31 October 2023 (at 3.00 pm Finnish time)
- Complete your application to a doctoral degree programme at the University of Oulu in Studyinfo.fi.
- 3. For the application, you need:
 - A principal supervisor affiliated with a research unit of the University of Oulu who confirms willingness to supervise with a commitment letter
 - A research topic agreed with the supervisor described in detail in your research plan
 - Master's degree certificate and transcript of the record
 - Master's degree completed with good grades
 - Demonstration of sufficient English or Finnish language skills
 - Brief statement of income
- 4. Indicate in your study right application that you are interested in joining the Finland Fellowship programme at the University of Oulu.



What are the Evaluation Criteria?

- Application and granting of doctoral study right in autumn 2023
- Academic performance and motivation of the applicant
- Scientific quality of the research
- Feasibility and importance of the research
- Motivation to contribute to Research, Development, and Innovation in the Oulu region and in Finland



Benefits

We offer you a wide range of staff benefits, including

- flexible working hours
- remote work possibility
- long annual holidays and holiday bonuses
- occupational health services and insurance
- paid family leaves
- sport, cultural, and wellness benefits
- opportunities for continuous skills development
- affordable meals at our campuses

https://www.oulu.fi/en/university/careers/staff-benefits



Services for International Staff



















International staff guide:

https://www.oulu.fi/en/university/careers/international-staff-guide

Thank you!



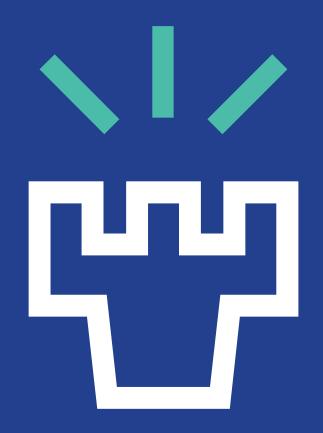
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