



Science with Arctic Attitude

University of Oulu

About Us

The University of Oulu is an international science university which creates innovation for the future, well-being, and knowledge through research and education. Our multidisciplinary combination of a science and technology university provides an excellent basis for influential research.

Key figures (2019)

1958
founded

55 000+
alumni

2900
staff

13 000
students

2700
degrees
annually

8
faculties

25%

of research and teaching staff
come from abroad

top 300–500

in the major university rankings

35

invention disclosures in 2018

Education

The University of Oulu trains experts and multifaceted professionals in eight fields of study and 44 different programmes.

Natural Sciences and
Mathematics



Biosciences



Medicine and Health



Economics
and Business
Administration



Engineering and
Architecture



Information and
Communication
Technologies



Education



Humanities



Scientific Profile

The strategy of the University is based on five thematic, internationally important focus areas. We use our full potential to contribute in solving some of the greatest global challenges, including sustainable resource use, responsible business, human wellbeing and lifelong health, intelligent systems and services development, and harnessing environmental risks. Activities in arctic research and education relate to all focus areas.

www oulu.fi/university/research



Wireless Connectivity 6G



The 6G Flagship programme aims at developing the fundamental technology needed to enable 6G and speeding up digitalization in society. While the time span of fundamental research is 10–15 years ahead of industrial standards, the Flagship also supports the industry in finalization of 5G and identifying new business opportunities by carrying out technology and system pilots. The 5G Test Network in Oulu provides an excellent environment for companies to work on their 5G technologies.

The 6G Flagship programme partners with Aalto University, VTT Technical Research Centre of Finland and the Joint Center for Future Connectivity, which is established by Nokia Bell Labs and the University of Oulu.

Humans in digitalisation



This research theme aims to respond to the challenges rapidly developing new technologies will have on human lives in the 21st century. We aim to strengthen human capabilities, anticipate future challenges and increase human resilience through world-class interdisciplinary research within the identified themes.

Arctic Interactions and Global Change



Multidisciplinary research of global change and northern environments, human-environment interaction, and sustainable systems, development, and use of natural resources. Joint efforts will produce new discoveries and cutting-edge research at the boundaries of science where so many of today's Arctic societal challenges are found.

Circular economy



Multidisciplinary research of the efficient, safe and sustainable use of high-volume inorganic side streams from various industries, and development of new, sustainable business models, strategies and value chains.

Fibrotic diseases



Fibrosis is a major contributing pathology in several chronic complex diseases. It is a scarring process where functional tissue is replaced by excess extracellular matrix leading eventually to organ failure and death. No effective therapy is available to cure or prevent fibrosis, which currently presents a major unmet need in medicine.



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