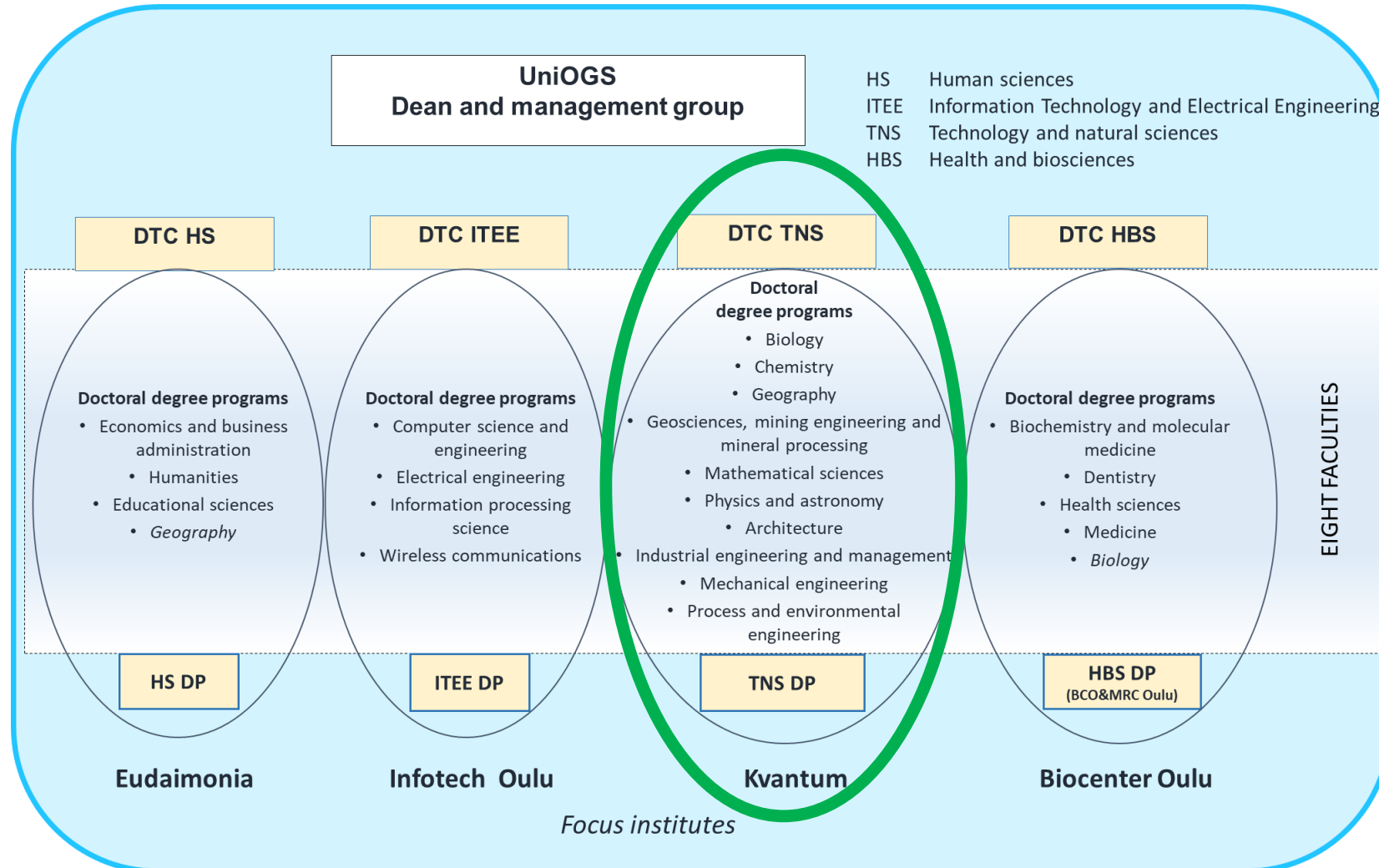


University of Oulu Graduate School - UniOGS -
**Technology and Natural Sciences
Doctoral Programme (TNS-DP)**

Coordinator, D.Sc.(Tech) Riitta Kamula
Kvantum Institute
Technology and Natural Sciences Doctoral Program
University of Oulu

Doctoral training at the University of Oulu

Four Doctoral Training Committees (UniOGS)	Four Doctoral Programs	Four focus institutes
DTC HBS - Health and biosciences	HBS-DP - Health and biosciences	Biocenter Oulu
DTC HS - Human sciences	HS-DP - Human sciences	Eudaimonia Institute
DTC ITEE - Information Technology and Electrical Engineering	ITEE-DP - Information Technology and Electrical Engineering	InfoTech Oulu
DTC TNS - Technology and natural sciences	TNS-DP - Technology and natural sciences	Kvantum Institute



Actors

- Director Aulikki Herneoja, D.Sc.(Tech)
- Coordinator Riitta Kamula, D.Sc.(Tech), [riitta.kamula at oulu.fi](mailto:riitta.kamula@oulu.fi)
- Related focus institute: [Kvantum Institute](#)
 - Director Prof. Björn Klöve (Faculty of Technology)
- Related focus areas of research 2017-2020:
 - [*Sustainable materials and systems*](#)
 - [*Changing climate and northern environment*](#)

Kvantum Institute



- Tasks include e.g
 - Promotion of multidisciplinary research and enhancing the quality of research in the two strategic focus areas of research during 2017-2020:
 - [Sustainable materials and systems](#)
 - [Changing climate and northern environment](#)
 - Coordination of the Technology and Natural Sciences Doctoral Program
 - Web page: <http://www oulu.fi/kvantum>
 - Started on 2018; successor of a research institute with a long history in research, research project coordination, and multidisciplinary doctoral training in the fields of natural sciences and technology

TNS-DP Activities

- Supports field specific courses arranged by the research units, research groups etc.
 - Course calender: <http://www oulu.fi/uniogs/node/45750>
 - Call for course proposals: <https://www oulu.fi/uniogs/node/46189>
- TNS-DP courses (some still under planning; partly in cooperation):
 - Research plan seminars; twice a year: in spring term often stand-alone, in autumn term in co-operation with Kvantum Institute
 - Methodology courses, Funding infos, Doctoral trains
- TNS-DP communications
 - Web pages: <http://www oulu.fi/uniogs/dp/tnsdp>
 - TNS-DP doctoral student list – **NB**: please keep your webOodi contact information updated!
 - Facebook: <https://www.facebook.com/AuroraDoctoralProgram/>
 - Dissertations – past and future: <http://www oulu.fi/uniogs/node/49531> *(currently not up-to-date)*

Confirmed courses and events 2020

Spring term 2020

- 13.-14.2.2020 [Conducting systematic literature reviews](#). **NB:** Deadline for registrations is **Feb. 7, 2020**. University of Oulu, 2 cr
- 2.-3.4.2020 [Kvantum Science Days 2020: Capacity building in the Arctic](#) (**NB:** applicable for research plan seminar course). University of Oulu, 1-2 cr
- [UniOGS Arctic Attitude Winter School 2020](#) courses:
 - 9.-13.3.2020 [Simulation and modelling complex socio-technical systems](#)
 - 9.-13.3.2020 [Zero-to-One innovation: How does IT happen?](#)
 - 16.-20.3.2020 [Statistical methods in medical research](#)
 - 30.3-3.4.2020 [Advanced Quantitative Research Methods in Human Sciences](#)
 - 30.3-3.4.2020 [Minimalism in Robotics: From Sensing to Tracking to Autonomy](#)
 - 30.3-3.4.2020 [Technostress as a Research Area](#)
- 14.4.-7.5.2020 [Impact Camp 2020 Spring](#). University of Oulu, 3cr
- May 2020 Cultivation and metabolism of anaerobic and oligo-trophic microorganisms. University of Oulu, 3 cr

Autumn term 2020

- 1.-2.12.2020 Environmental change and sustainable resource use – Kvantum Science Days 2020 (**NB:** applicable for research plan seminar course). University of Oulu, 1-2 cr

TNS-DP Research plan seminar possibility twice a year

- Multidisciplinary seminars:
 - Spring term: often one day; when possible in connection with a related seminar
 - Autumn term: in connection with a Kvantum seminar with varying theme
- Researcher presentations by doctoral candidates and other researchers; open for all fields
- Keynotes, workshop on presenting
- Registrations, call for abstracts, course description and program at the web pages (links from the [TNS-DP calendar of events](#))

TNS-DP Research Plan Seminar, 1-2 cr

- Provides tools for active participation in scientific conferences, introduces multidisciplinary approach and research items, and provides possibilities for networking
- Includes preparation and submission of an abstract, public presentation of the research in a form of an oral or a poster presentation, and acting as an opponent in the seminar; workshop on presenting
- Supervisors of the presenting doctoral candidates are invited
- The number of granted credits depends on the amount of participation and additional work
- Course description and instructions: <http://www oulu.fi/uniogs/node/48665>

Funded doctoral student positions

All the funded positions (over six months) with more information are announced at

<http://www oulu.fi/university/jobs>

