

Kati Anttila

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Kati Anttila is a Research Scientist at the Finnish Meteorological Institute. She is working in a group that focuses on developing remote sensing based methods for meteorological and climatological applications. Anttila has been involved in several projects and field campaigns studying snow geophysical properties and developing validation methods for optical satellite data. The new developed methods include topics such as using terrestrial laser scanning data and plate photography to study snow surface properties, such as surface roughness. Currently she is working in a project called the Satellite Application Facility on Climate Monitoring (financially supported by EUMETSAT), where she is the board member representing the FMI team responsible for the surface albedo products.

Anttila joined the Finnish Meteorological Institute in May 2009 and worked half time in the Finnish Geodetic Institute (now Finnish Geospatial Research Institute of the National Land Survey of Finland) for the first five years. She is author of 16 peer reviewed journal papers and 7 conference papers. Currently she is finalizing her snow related PhD studies at the University of Helsinki.

Before working at the Finnish Meteorological Institute Anttila worked in a private sector company with Geographic Information System data.

Anttila graduated in 2006 as a Master of Philosophy from the University of Helsinki (Geography). Anttila's Master's Thesis was concerned with geomorphology of Savitaipale Municipality, Southern Finland (boreal forest zone).

Floris Goerlandt

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Floris Goerlandt is a post-doctoral researcher in the Research Group on Maritime Risk and Safety at the Marine Technology Unit of Aalto University School of Engineering. He is also project manager of BONUS STORMWINDS “Strategic and Operational Risk Management of Wintertime Maritime Transportation System”, a Flagship Project of the European Union Strategy for the Baltic Sea Region.

Floris Goerlandt has obtained a M.Sc. in electro-mechanical engineering with a minor in marine technology from Ghent University in Belgium. Subsequently, he obtained a second M.Sc. in maritime sciences from Antwerp University in Belgium. After graduation, he gained experience in industry as a hull approval engineer and as ship surveyor on ships in operation and in repair and newbuilding shipyards in Singapore and China. In 2009, he joined Aalto University in Finland where he obtained a D.Sc. (Tech.) in maritime technology, with a focus on maritime risk analysis and management. After a post-doctoral research period at the Catholic University of Leuven (Belgium), he returned to Finland where he is a senior researcher in the research group.

His research currently focuses on maritime risk analysis and management, with applications related to oil spill response preparedness planning and development of tools for post-accidental oil spill response, focusing on winter conditions in the Northern Baltic Sea. Other research interests include uncertainty treatment in risk analysis, validation of risk analysis, ship performance in ice, navigational near miss incident detection and analysis, safety management and safety engineering. His work aims to support maritime policymaking and to provide science-based solutions for industrial and regulatory stakeholders, while contributing to generic issues in risk and safety research.

In addition to performing research and managing research projects, Floris Goerlandt also performs educational tasks related to master-level course teaching and instruction of M.Sc. and D.Sc. students during their thesis work. Finally, he is an active member of the Applied Risk Management Specialty Group of the Society for Risk Analysis and the ICES Working Group on Maritime Risks in the Baltic Sea.

Outi Koskinen

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Outi Koskinen currently works as a Communications Officer at the Department for Communications at the Ministry for Foreign Affairs of Finland. She has a long experience in the field of Communications, especially of the civic information on EU issues.

At the moment she works in the Unit for Communications on Europe and Neighbouring Areas. The Unit is responsible for the Ministry's external and internal communications and public diplomacy associated with Europe, Russia and Central Asia, and for their strategic planning, development and coordination in cooperation with other departments and diplomatic missions.

Outi's tasks include mainly working with digital content on EU and arctic issues. Foreign Ministry prepares for the Finnish Chairmanship in the Arctic Council. Finland's Chairmanship will be coordinated by an Arctic Team at the Ministry and the Unit for Communications on Europe and Neighbouring Areas supports the Team with the communication issues.

Outi's unit works with the arctic issues from the country brand point of view as well, including organizing international visits by journalists and experts. Outi has Master of Arts from the University of Tampere.

Juha Kääriä

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Juha Kääriä (56) has studied in the University of Turku in Southwest Finland and graduated (PhD) in 1999. His background is fisheries and water biologist. He is a specialist in applied environmental sciences and he has more than 30 years' working career. He has over 60 publications on these topics, many of them in international journals.

Juha Kääriä's working career includes Planning Officer responsible for water and fisheries issues in the Environmental Office in the City of Turku (1987-1999). From 2000 to 2003 he worked as Research Manager in Turku Region Water Ltd responsible for environmental research connecting to artificial groundwater project for 300 000 inhabitants in Turku region.

From 2004 to 2014 he has been working in Turku University of Applied Sciences (TUAS) as Research and Development Manager in the Faculty of Technology, Environment and Business. His main duty was to lead a wide environmental expertise program financed mainly by different European Union financial programmes. In every project a practical connection with university students is an important principle (Innovation Pedagogy).

From 2015 he has been working in TUAS as Head of Education and Research in the Faculty of Technology, Environment and Business. His present duty is to lead the Department of Construction, Environment and Energy which consists more than 600 students and five research groups (www.tuas.fi: Water engineering, Civil Engineering, Energy and the Environment, Indoor environment, Resource-efficient business).

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Over the past ten years Kirsi Latola has worked as a research coordinator at the Thule Institute at the University of Oulu and managed several national and international projects on research, knowledge sharing including organising several international events and graduate education. She has managed the University of the Arctic (UArctic) Thematic Networks strategic area since 2005 and is now acting as a Director of Thematic Networks. In addition to her work for UArctic and supporting the other research projects and proposals she is leading the transnational access work package in INTERACT - International Network for Terrestrial Research and Monitoring in the Arctic (FP7, 2011-15 and H2020 2016-2020) and a task on stakeholder consultations in a EU-PolarNet project on Polar Research coordination (H2020, 2015-2019). Kirsi is also Thule Institute's representative at the European Polar Board and has represented UArctic in Arctic council working groups and task forces, latest being the Task force on science co-operation.

In addition to international level Kirsi has led and participated several Nordic projects, current one being a project focusing on Arctic youth. Currently she is also a contact person in Nordic University network and collaboration between five Universities; Umeå University, Luleå Technical University, UiT The Arctic University of Norway in Tromsø, University of Lapland and University of Oulu.

Prior to the work at the Thule Institute Kirsi completed her education at the University of Oulu, department of Biology (botany). She defended her PhD thesis, Kirsi Laakso: "Effects of ultraviolet-B radiation (UV-B) on needle anatomy and glutathione status of field-grown pines" in 2000. Part of the doctoral work was conducted at the University of Maryland, USA.

Mirka McIntire

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Mirka McIntire works as Manager of Teacher Exchange and Education Programs at the Fulbright Finland Foundation. She is responsible for the promotion, administration and development of the Fulbright Distinguished Awards in Teaching Program, the Fulbright Mid-Career Professional Development Program for Finns, the Study of the U.S. Institutes for Scholars and Secondary School Educators, and the Fulbright Specialist program.

She is a member of the communications team and also coordinates orientation seminars for the U.S. Fulbright grantees, as well as events and programs related to strategic themes, such as the Arctic, education and migration. Together with the Fulbright Finland team and program partners in Finland and the U.S., she has helped organize the European Fulbright Conference in Helsinki, Fulbright Arctic Initiative plenary week and Symposium in Oulu, multidisciplinary Fulbright Forum on Education, Innovation, Science and Art in Jyväskylä, as well as a Capacity-Building Workshop on Attracting U.S. Students to Finland.

Prior to joining Fulbright Finland, Mirka worked as Education and Exchange Programs Coordinator at the U.S. Embassy Helsinki. She has also worked as Senior Program Associate at the Institute of International Education in San Francisco, Information Specialist at the Bureau of National Affairs in Rockville, MD., and interned at the Delegation of the European Commission in Washington, D.C.

Mirka has a Master's degree in International Relations and European Studies from the University of Kent at Canterbury, U.K., and a Bachelor's degree in International Business Administration from the former Helsinki School of Economics (now part of the Aalto University).

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Terhi Mölsä is the Chief Executive Officer of the Fulbright Finland Foundation since 2016, and Executive Director of the Finland-U.S. Educational Exchange Commission since 2002.

The Fulbright Finland Foundation is a Helsinki-based not-for-profit promoting a wider exchange of knowledge and professional talents through educational contacts between Finland and the United States. As CEO, Terhi Mölsä is responsible for the strategic development of the Foundation and is in charge of all staff, finance and organizational matters, alumni and public affairs, development and fundraising. In 2016, the Foundation awarded over USD 1.55 million in grants to 94 grantees, served over 5,600 client contacts, organized the international Fulbright Arctic Week in Oulu for researchers from all Arctic Council member countries, and the 2016 European Fulbright Conference in Helsinki with participants from over 40 countries. Since its inception in 1949, over 5500 Finns and Americans have received a grant from the Finnish-American program and the Foundation runs an active alumni network in both countries.

A former journalist, Terhi Mölsä has nearly 30 years of professional experience in higher education internationalization, initially at the University of Tampere, Finland, where she helped launch their European mobility programs, and at the national level serving Finnish Ministry of Education agencies and Fulbright in various capacities. With a Bachelor's in Russian and a Master's in International Relations, she has studied and conducted research with scholarship awards in Estonia, Russia, and the United States. She has served as a consultant, trainer, and curriculum developer on strategic leadership and management in international education in Europe and the United States, and organized and chaired international conferences in several European countries. She is Past Chair of European Fulbright Directors, and serves on Boards and leadership positions both in Finland and internationally.

Elina Oksanen

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Elina Oksanen is the Professor in plant physiology and biotechnology at the Department of Environmental and biological sciences, University of Eastern Finland (UEF). Her research focus is on impacts of climate change and environmental stress factors on plants, particularly northern forest trees and arctic treeline ecosystems. As a vice dean, she is responsible for the development of education at UEF.

Oksanen graduated in 1992 in University of Helsinki as a Master of Science. Her PhD thesis in 1996 concerned impact of increasing tropospheric ozone on silver birch. After the PhD degree, Oksanen worked as a post doctoral researcher in Michigan Technological University (USA), and made research visits to the Swiss Federal Institute for Forest, Snow and Landscape Research (Switzerland) and Tokyo University of Agriculture and Technology (Japan). Before the professorship in 2004, she worked as Academy researcher by Academy of Finland. Oksanen has led 14 research projects and has supervised 14 doctoral theses and 10 post doctoral researchers. Her publication record includes 140 scientific papers.

Oksanen has been acting as expert evaluator for research proposals in European Commission and several European countries and in Russia. She has a position of trust in the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES), European Plant Science Organization (EPSO), IUFRO (International Union of Forest Research Organizations), and Intergovernmental Panel on Climate Change (IPCC).

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Arttu Polojärvi works as an assistant professor of ice mechanics in Aalto University, Department of Applied Mechanics. He started in 2013, prior to which he worked as a post-doctoral researcher in Sustainable Arctic Marine and Coastal Technology (SAMCoT) Centre of Excellence, based in Norwegian University of Science and Technology.

Polojärvi works in the Aalto University Arctic Technology Group and he is specialized in numerical ice mechanics. The group develops ice mechanics simulation tools, which are based on discrete element and combined finite-discrete element methods. They use the tools to also analyze complex ice loading processes with an aim to understand the fundamental mechanics behind these processes.

The group uses Aalto Ice Tank for validation of the numerical work. Aalto Ice Tank is a square 40-by-40-meter ice basin that can be used for experimental work on Arctic technology, and allows testing on ice loads on wide structures, waves in ice, and maneuvering of ships in ice. The basin is world-unique in shape and size and as such allows unique experimental work.

Polojärvi is a member of the International Association for Hydraulic Research (IAHR) Ice Research and Engineering Committee and the International Ship and Offshore Structures Congress (ISSC) Technical Committee on Arctic Technology. He lectures courses related on applied and ice mechanics in Aalto University when not working with the doctoral students of his group.

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Arja Rautio, research professor, MD, PhD, Eurotox ERT, has been working in the field of circumpolar health since 2006 in the Thule Institute and Faculty of Medicine, University of Oulu.

Her research interests are on climate change, environmental health, risk assessment, and indigenous health and wellbeing. She is acting as a chair of the University of the Arctic Thematic Network of Health and Wellbeing in the Arctic (www.uarctic.org), and a leader of the international Master's and Doctoral programs on Circumpolar Health and Wellbeing. Dr Rautio is working as a member in the Human Health Expert groups of the Arctic Monitoring and Assessment Programme (www.amap.no) and a co-chair of the Sustainable Development Working Group (www.sdwg.org).

She has been nominated as a national member to the Social and Human Sciences Group of the International Arctic Science Committee (<http://iasc.arcticportal.org>). She is a chair of the Nordic Society of Circumpolar Health. At the moment the main research projects are concerning Research Ethics in Sami and First Nations, Structural Racism, Marginalization and Human-Environment Relationships.