

Dr. Anne-Lena Kampen received the Ph.D. in Telematics from the Norwegian University of Science and Technology (NTNU) in 2017. She is currently working as an associate professor at Western Norway University of Applied Sciences (HVL). She teaches subjects such as advanced network communication, network security, electronics, and industrial data networks. The subjects she finds most interesting to teach are the communication courses. Her Ph.D. research area was Wireless Sensor Networks (WSN), and the research focus was energy efficiency and reliability related to path recovery. Her research interests are still related to these areas, especially energy consumption. Reducing the energy consumption is important in order to increase the longevity of the network and to maintain a connected, stable, and reliable network. To maintain the latter, path recovery is also crucial. She has also investigated embedded machine learning (ML) in combination with WSN. She is particularly interested in the impact that embedded ML has on the energy balance in networks. This is a subject she became familiar with during her leave of absence from HVL, from June 2018 until March 2020, to work for Norwegian Research Centre AS (NORCE). At NORCE she also worked on underwater communication. Before completing her Ph.D., she worked as a professor assistant at HVL from 2005, teaching network communication and electronics. Before she started at HVL, she worked at Nera Network from 1997 until 2005 where she developed advanced electronics and performed some research. She developed microwave modules for radio links. The research was focused on reducing the energy consumption of power amplifiers. From 1996-1997 she performed test/assurance of radio links at Nera. She received her Master of Science in Applied Physics from the University of Tromsø, The Arctic University of Norway, in 1995, where her dissertation concerned microwave techniques.