

Tero Heikkilä

Bio

Prof. Tero Heikkilä works in the theory of quantum condensed matter systems. He has made groundbreaking contributions to the theory of superconductivity, topological media and open quantum systems. He received his PhD in the Helsinki University of Technology HUT in 2003, worked as an Academy of Finland postdoctoral fellow (2005-2006) and senior researcher (2006-2011), leading the theory group in the HUT Low Temperature Laboratory. He received an ERC Starting Grant (2010-2016) and became a full professor at the University of Jyväskylä in 2013. He currently leads an FET Open project SUPERTED whose goal is to realize ultrasensitive detectors based on superconductor/ferromagnet systems. He was the scientific director of the University of Jyväskylä Nanoscience Center 2018-2021. He is a recipient of the Väisälä prize of the Finnish Academy of Science and Letters (2018). He is an author of a textbook *The Physics of Nanoelectronics* (Oxford University Press, 2013), a coauthor of more than 120 research publications and a co-inventor of 4 patent applications for superconducting devices.

