

Burkard Hillebrands is full professor of experimental physics at the University of Kaiserslautern. After studies at the University of Cologne and a postdoctoral stay at the Optical Sciences Center in Tucson, Arizona he was associate professor at the University of Karlsruhe in 1994. Since 1995 he is full professor at the University of Kaiserslautern. From 2006 to 2014 he was Vice President for Research, Technology and Innovation of University of Kaiserslautern. From 2016 to 2017 he served as Scientific Director of the Leibniz Institute for Solid State and Materials Research Dresden.

His research field is experimental magnetism, in particular magnonics. He is particularly interested in nonlinear magnonic phenomena, magnonic crystals, magnon gases, magnon condensates and magnonic supercurrent phenomena in view of applications in novel information technologies such as magnon logics.

In 2019-2022 he was president of the European Magnetism Association. In 2015-2017 he was Chair of the International Union of Pure and Applied Physics (IUPAP), Commission C9: Magnetism. He is member, Chair of the Class of Mathematics and Natural Sciences, and Vice President of the Academy of Sciences and Literature, Mainz. He is member of the National Academy of Science and Engineering (acatech). He is IEEE Fellow, APS Fellow and Fellow of the Institute of Physics, London. In 2016 he received an ERC Advanced Grant of the European Commission. He served on the Administrative Committee of the IEEE Magnetics Society and was Honors&Awards Chair in 2013-2018. Since 2018, he is Chair and Member of the Scientific Advisory Board of the Helmholtz Center Dresden-Rossendorf (HZDR), and also Member of the HZDR Supervisory Board.

He has published more than 450 refereed articles, book contributions, and several patents.