

Arto V. Nurmikko, a native of Finland, is a L. Herbert Ballou University Professor of Engineering and Physics at Brown. He received his degrees from University of California, Berkeley, and did postdoctoral work at the Hebrew University (Jerusalem) and MIT. He is currently the co-director of the Center for Biomedical Engineering at Brown. Professor Nurmikko conducts research in neuroengineering, photonics, microelectronics, nanosciences, and the translation of device research to new technologies in physical and life science applications. His current interests are focused on device science especially for implantable neural interfaces. Other components of his work involve development of ultracompact semiconductor light emitters and ultrafast optical switching of magnetism. Nurmikko has published in several fields (over 300 journal articles), led many multi-institutional research teams, advised federal funding agencies, and lectured worldwide. Professor Nurmikko is a Fellow of the American Physical Society, of the Institute of Electrical and Electronics Engineers, and of the Optical Society of America. He has been the recipient of a Guggenheim Fellowship, and elected to the American Academy of Arts and Sciences and the Academy of Sciences and Letter of Finland.