

**Personal Information**

Full name	Philip Kim	
Current position	Professor	
Organization	Harvard University, Department of Physics	
Country	USA	

**Short Biography**

Professor Philip Kim received his B.S in physics at Seoul National University in 1990 and received his Ph. D. in Applied Physics from Harvard University in 1999. He was Miller Postdoctoral Fellow in Physics from University of California, Berkeley during 1999-2001. He then joined in Department of Physics at Columbia University as a faculty member during 2002-2014. Since 2014, he moves to Harvard University, where he is Professor of Physics and Professor Applied Physics.

Professor Kim is a world leading scientist in the area of materials research. His research area is experimental condensed matter physics with an emphasis on physical properties and applications of nanoscale low-dimensional materials. The focus of Prof. Kim's group research is the mesoscopic investigation of transport phenomena, particularly, electric, thermal and thermoelectrical properties of low dimensional nanoscale materials. These materials include carbon nanotubes, organic and inorganic nanowires, 2-dimensional mesoscopic single crystals, and single organic molecules. The use of modern state-of-the-art semiconductor device fabrication techniques and the development of new methods of material synthesis/manipulation are essential parts of this research. He has initiated these efforts very successfully, and is continuously making innovations in microscopic experimental tools and methods in order to investigate the electric, thermal/thermoelectric transport properties of the nanoscale materials.

Professor Kim published more than 150 papers in professional journals which are well cited. Many of his papers are published in high impact journals such as Nature, Science and Physical Review Letters. Professor Kim received numerous honors and award including Oliver E. Buckley Prize (2014), Loeb Lectureship, Harvard (2012); Dresden Barkhausen Award (2011); Yunker Lectureship, Oregon State University, (2011); Chapman Lectureship, Rice University, (2009); IBM Faculty Award (2009); Ho-Am Science Prize (2008); American Physical Society Fellow (2007); Columbia University Distinguished Faculty Award (2007); Recipient Scientific American 50 (2006); National Science Foundation Faculty Career Award (2004). In addition, He has given more than 300 invited presentations as keynote speaker, plenary speakers, and invited speakers in international and domestic conferences, colloquiums and department seminars.