

DR. YOUNG SUH KIM

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A native of Korea, Dr. Young Suh Kim came to the United States with a student visa after graduation from Seoul High School in 1954. In 1958, after four undergraduate years at the Carnegie Institute of Technology (now known as Carnegie Mellon University), he went to Princeton University for graduate study in physics. There, he earned his PhD degree in 1961 and stayed there for one additional year as a postdoctoral fellow. In 1962, Dr. Kim became an assistant professor of physics at the University of Maryland. After spending 45 years of teaching as assistant, associate and full professor of physics, he attained his emeritus status in 2007.

Dr. Kim started publishing his papers in 1961, mostly on the topics popular among his colleagues. In 1978, he started writing about his own ideas. One hundred years ago, Niels Bohr was worrying about the hydrogen atom, leading to quantum mechanics. Albert Einstein was interested in how things appear to moving observers, leading to his theory of relativity. Bohr and Einstein met occasionally, but they never discussed how the hydrogen atom would appear to moving observers.

Dr. Kim's efforts led to the resolution of this Bohr-Einstein issue of building a bridge between quantum mechanics and relativity. He wrote many papers and books on this subject. In 1989, he published a paper titled "Observable Gauge Transformations in the Parton Picture" in Physical Review Letters. In 2018, with Marilyn Noz, Dr. Kim published a book titled "New Perspectives on Einstein's E = mc2." In 2021, with Sibel Baskal and Marilyn Noz, he published a book titled "Physics of the Lorentz Group, Second Edition." The Lorentz group is a mathematical tool Einstein used to formulate his theory of relativity.

In 1963, Dr. Kim married a girl he met during his first year in college. His family now includes their son and daughter-in-law, plus two grandchildren. They all live in Maryland near Washington, D.C.