

Prof. Toshio ANDO
Department of Physics
Kanazawa University
Japan

Biography

Prof. Toshio ANDO is currently studying at the Department of Physics of Kanazawa University, Japan. After receiving his Dc. Sci. degree in physics from Waseda University, he worked at the Cardiovascular Research Institute of UC San Francisco as a postdoctoral fellow and then an assistant research biophysicist from 1980 to 1986. Then, he returned to Japan to establish a biophysics laboratory at the Department of Physics, Kanazawa University. Prof. Ando's has been studying the molecular mechanism of proteins, especially of myosin motors, while developing new tools. In 1993, he embarked on the development of high-speed atomic force microscopy (HS-AFM) and finally materialized this new technique in 2008. Currently, his research focuses on the nano-visualization of protein molecules in dynamic action as well as on the development of the second generation of HS-AFM techniques. For his creation of HS-AFM and new structural biology, he has been awarded a number of prizes.