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Born in 1963 in Samcheoksi, Gangwon-do, Korea

Icheon Elementray School, Samcheoksi, Gangwondo, Korea (Feb., 1976)

Wondeok Middle School, Samcheoksi, Gangwondo, Korea (Feb., 1979)

Gangneun High School, Gangneusi, Gangwondo, Korea (Feb., 1982)

B.S. in Physics, Kyungpook National University, Daegusi, Korea (Feb., 1989)

Ph.D. in Physics, University of Missouri-Columbia (Dec., 1999)

1994 – 1999, Research Assistant in department of Physics at University of Missouri-Columbia,

1999 -2001, Research associate in department of Physics at University of Washington

2002 – 2003, Postdoctoral physicist in chemical science division at Lawrence Berkeley National  
Laboratory

2003 – 2009, Assistant professor in department of physics education, Chonbuk National University

2009 – Current, Associate professor in department of physics education, Chonbuk National  
University

2006 -2006, Guest Editor, International Journal of Nanoscience and Nanotechnology

2008 – Current, Representative of the Korean XAFS Society

2008 – Current, Representative of XAS division in Korean Accelerator Society

I have published over 70 research papers in solid state physics, nanoscience, and nanotechnology and given over 30 invited lectures. My major research field is the micro-structural and chemical property characterizations of nanomaterials using X-ray absorption fine structure (XAFS) and nanomaterial applications including sensors, battery, and solar cells.