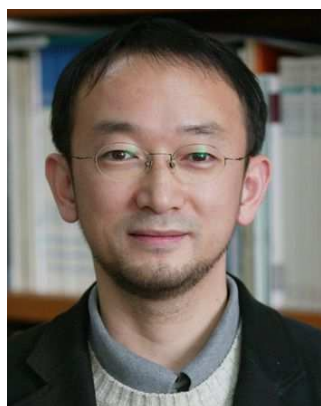


Prof. Han Woong Yeom



CURRICULUM VITAE

Born on 5th December, 1966 in Seoul,

Study physics at Seoul National Univ. in Seoul, Korea, doctorate at Tohoku Univ. (1996), Research associate at Department of Chemistry, Univ. of Tokyo (1996-2000), Assistant/associate professor at Department of Physics, Yonsei Univ. (2000-2009), Full Professor Yonsei Univ. (2009-2010) and at Department of Physics, POSTECH (2010-) Director of Center for Atomic Wires and Layers (2003-2012)

Director of Center for Low Dimensional Electronic Symmetries (2012-2013)

Director of Center for Artificial Low Dimensional Electronic Systems, Institute for Basic Science (2013-).

Scientific awards/honours/memberships (selection)

JSPS Foreign Student Fellowship, Japanese Society for Promotion of Science (1993-1996)

Young Researcher of the Year, Japanese Society for Synchrotron Radiation Research (1999)

Outstanding Faculty of the Year, Yonsei University (2006)

Scientist and Engineer of the Month, Ministry of Science and Technology of Korea (2006)

Academic Achievement Award, Korean Physical Society (2007)

Honored Invitation as Young Scientist of Asia, Japanese Society for Applied Physics (2007)

Outstanding Referee (Lifetime honor), American Physical Society (2010)

Leading Korean Research Scientist, Korean Academy of Science and Technology (2012)

Research key words (selection)

Electronic properties of metallic atomic wires and layers on solid surfaces

Angle-resolved photoelectron spectroscopy and scanning tunnelling microscopy

Recent publications (selection)

Self-Assembled Nanowires with Giant Rashba Split Bands, Phys. Rev. Lett. 110, 036801 (2013).

Topological Solitons versus Nonsolitonic Phase Defects in a Quasi-One-Dimensional Charge-Density Wave, Phys. Rev. Lett. 109, 246802 (2012).

Radial band structure of electrons in liquid metals, Phys. Rev. Lett. 107, 136402 (2011).

Nearly Massless Electrons in the Silicon Interface with a Metal Film, Phys. Rev. Lett. 104, 246803 (2010).

Giant kink in the electron dispersion of strongly coupled lead nanowires, Nano Lett. 9, 1916 (2009).

Band-structure engineering of gold atomic wires on silicon by controlled doping, Phys. Rev. Lett. 100, 126801 (2008).