WONHO CHOE

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EDUCATION

Ph.D. Princeton University, U.S.A., Astrophysical Sciences (Plasma Physics)
M.A., Seoul National University, Korea, Nuclear Engineering
B.A., Seoul National University, Korea, Nuclear Engineering

PROFESSIONAL EXPERIENCE

1997 – present	Professor, KAIST
2009 – present	Director, Impurity and Edge plasma Research Center (supported by NRF)
2011 – present	Member, ITER Council, Science and Technology Advisory Committee (STAC)
2016 – 2018	Member, Nuclear Fusion Council (appointed by Ministry of Science, ICT and Future Planning, Korea)
2010 – 2012, 2014– 2016	Member, Nuclear Fusion Executive Council (appointed by Ministry of Future and ICT, Korea)
2017 – 2018	Member, Science and Technology Expert Evaluation Board (appointed by Ministry of Science, ICT and Future Planning, Korea)
2013 – 2015	Member, Science and Technology Expert Evaluation Board (appointed by Ministry of Education, Science and Technology, Korea)
2012 – 2014	Member, Science and Technology Advisory Board for the Member of National Assembly of Korea
2013 – present	Editorial Board Member, Nuclear Fusion (an IOP Science Journal)
2018 – 2021	Editorial Board Member, Journal of Physics D: Applied Physics (an IOP Science Journal)
2007 – 2013	Editorial Board Member, Current Applied Physics Journal (an Elsevier Journal)
2014 – 2016	Chairman, Korean Physical Society - Division of Plasma Physics
2004 – present	Member, Executive Committee, Korean Physical Society - Division of Plasma Physics
2010 – 2012	Review Board, Directorate for National S&E Programs, National Research Foundation (NRF) of Korea
1996 – 1997	Associate Research Physicist, Princeton Plasma Physics Laboratory

RESEARCH AREAS

- Physics and development of Hall effect plasmas
- Physics of weakly-ionized plasmas
- Development of advanced plasma diagnostics (LIF, electrostatic probes, plasma tomography, 2-D imaging of visible, VUV, EUV, soft X-ray, bolometer, etc)
- Impurity transport for high-temperature plasmas
- Published 150 SCI journal papers (including Nature Communications, Applied Materials & Interfaces, Nanoscale, Plasma Sources Science and Technology, Physics of Plasmas, Nuclear Fusion, etc)