

## **Prof. Young Keun KIM**

Department of Materials Science and Engineering,  
Director, Center for Spin-Orbitronic Materials,  
Korea University  
145 Anam-ro, Seongbuk-gu, Seoul 02841, Korea  
E-mail: ykim97@korea.ac.kr  
Web: <http://idm.korea.ac.kr>



**Biography.** Professor Kim works in the Department of Materials Science and Engineering at Korea University, Seoul, Korea since 2000. He is also the Director of Center for Spin-Orbitronic Materials since 2015. He is a Fellow of the Korean Academy of Science and Technology (KAST), and a Member of National Academy of Engineering of Korea (NAEK), and a Senior Member of IEEE. He received the National Order of Service Merit-Green Stripes from the Korean government in June 14, 2017 at the 52nd National Invention Day. Before he joined Korea University, he worked for Quantum Corporation in USA and Samsung Electro-Mechanics in Korea. He received the B.S. (1985) and M.S. (1987) degrees in Metallurgical Engineering from Seoul National University, and the Ph.D. degree (1993) in Materials Science and Engineering from MIT. Currently, he is the Auditor of the Korean Magnetics Society, a Member of Board of Directors, Nano-Convergence 2020 Foundation, a Council Member of the Asian Union of Magnetic Societies (AUMS), an Editorial Board Member of *Scientific Reports* and *IEEE Transactions on Magnetics*. In the past, he was the President of the Research and Business Foundation of Korea University from 2008 till 2011. He also served as an Advisory Staff Member for the Presidential Advisory Council on Education, Science and Technology of Korea in 2012. He received the Granite Tower Technology Award from Korea University in 2016, the Iljin Academic Achievement Award, Korean Institute of Metals and Materials in 2015, the Academic Achievement Award, Korean Magnetics Society in 2009, the Granite Tower Teaching Award from Korea University in 2005. His research result was selected as one of the Top 50 Research Outcomes of the Year by the Korean Science and Engineering Foundation in 2006. Prof. Kim has published over 260 peer-reviewed journal papers, invented over 80 registered patents, 7 technology transfers, and delivered over 100 invited talks. Prof. Kim's research interests include novel magnetic thin films and nanostructured materials development for biomedical and spintronic memory applications.