Prof. Won Bo Lee

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Dr. Lee earned a B.S. degree with top honors in Chemical Engineering from Seoul National University (1996). He received his Ph.D. degree in Chemical Engineering from the University of California at Santa Barbara (2007), and Postdoctoral training (Humboldt Fellowship) at Max Planck Institute for Polymer Reserach (2008 – 2009). Dr. Lee joined Sogang University as an Assistant/Associate Professor of Chemical Engineering from 2010 to 2015, before moving to Seoul National University in 2015. Dr. Lee's current research focuses on several areas, including: (1) Studying and developing machine learning force fields(MLFF) for simple and complex fluids, (2) Applying MLFF to novel materials for studying electronic properties and reactions in molecular dynamics time and length scales, (3) Studying the static and dynamic properties of soft matters via multi-scale molecular dynamic approach, and (4) Modeling and designing chemical reactors via multi-scale approach: DFT, micro-kinetics, machine learning, and CFD analysis.