Short Bio

Zonghoon Lee

Associate Professor
Head, School of Materials Science and Engineering
Director, Center for Multidimensional Programmable Matter
UNIST (Ulsan National Institute of Science and Technology)
Ulsan Metropolitan City 44919, S. Korea
Email: zhlee@unist.ac.kr
Lab website: ASEMLab.org

Education and Experience

2013 – present	Steering Committee of Korean Society of Microscopy and Korea Graphene Research Society
2014 – present	Editor, Applied Microscopy Journal
2015 – present	Director, Center for Multidimensional Programmable Matter
2014 – present	Head, School of Materials Science and Engineering, UNIST
2011 – present	Associate Professor, UNIST
2005-2011	Senior Staff Member, National Center for Electron Microscopy, Lawrence Berkeley National Laboratory (LBL)
2004	Postdoctoral Researcher, University of Southern California (USC)
2003	Ph.D., Materials Science, University of Southern California (USC)
1992-1997	Research Engineer, Korea Electronics Technology Institute
1990, 1992	B.S & M.S., Yonsei University, S. Korea

Honors or Awards

2013	Best Paper Award (Korean Society of Microscopy)
2013	Young Investigator Award – Korean Institute of Metals and Materials
2008	Young Investigator Scholarship Award in APMC9
2008	The 9th Asia-Pacific Microscopy Conference Scientific Photo Award
2008	Grant from 5th International Symposium on Advanced Materials

Research Interests

His research group focuses on atomic-scale characterization, design, and synthesis as well as properties of advanced materials including 2D materials and soft matter by means of aberration-corrected transmission electron microscopy and spectroscopy. In situ experiments at both the atomic and nano scales are implemented for his work. He has co-authored over 100 peer-reviewed publications and given over 40 invited presentations on topics such as structure and defects of 2D materials, deformation mechanism of nanocrystalline metals and thin films, and imaging of soft matter for materials science research.