
Professor Haeseong Lee

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Dr. Haeseong Lee is a material scientist working at Jeonju University as Professor.

His research area was initiated by correlation between structure and properties of materials. He had an opportunity to widen his experience on material characterization and innovative analytical methodologies on nanomaterials and carbon materials. His wide experiences to elucidate carbon & nanomaterials led him to their applications and industrialization for display, semiconductor, nanotech, etc.

His pragmatism on nanotechnologies triggered his interests on international standardization activities. His career on the field of international standardization started with a proposal of a new SC, the title of scanning probe microscopy, under ISO TC201 (Chemical Surface Analysis) in 2003. With the approval of his proposal he was appointed as Chair of the new SC9 under TC201 and had maintained the position until 2017. He was also involved in IEC activities when he established a TC under IEC, the title of printed electronics in 2011. Currently he has 3 convenors at ISO TC201 SC9 WG6 (ESPM), IEC TC113 WG14 (electromagnetic compatibility on nanomaterials), ISO TC61 (Plastics) WG5 (electrical, magnetic, electromagnetical and optoelectrical properties on polymers and composites)

Recently he moved toward quantum technology based on his experiences in analyzing superconductivity, basic quantum phenomena such as tunneling current, quantum conductance, etc. He was involved in standardization of quantum technology (QT) in the birth JTC3 and now serve as Chair