

Speaker Profile



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Name : Kwang-Ryeol Lee

Title : Principal Research Scientist

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Kwang-Ryeol Lee received the B. S. degree in Metallurgical Engineering from Seoul National University in 1984, and Ph. D. degree in Materials Science from the Korea Advanced Institute of Science and Technology in 1988. From 1989 to 1991, he worked as a post-doctoral research fellow in the Division of Applied Science at Harvard University. Solute trapping behavior during rapid solidification by laser annealing was his research topic during his postdoctoral period. In 1991, he joined the Korea Institute of Science and Technology (KIST). He is presently a principal research scientist in the Future Technology Research Division. AT KIST, his research area is the synthesis and application technology of diamond-like carbon films using PACVD, ion plating and filtered vacuum arc processes. Developed technologies were transferred to Korean industry, and successfully commercialized. His major interest is the mechanical properties and the residual stress of amorphous carbon films. He also investigated the relationship between the physical properties of thin film and the atomic bond structure using computational simulation.

