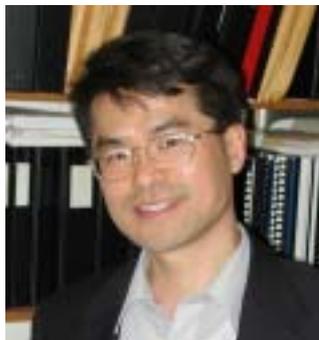


Speaker Profile



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Dr. Hong Koo Kim

Professor

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Dr. Kim is a professor of the Electrical Engineering Department, University of Pittsburgh, Pittsburgh, PA. Since 2002 he has been serving as the founding Co-Director of the Institute of NanoScience and Engineering at the University of Pittsburgh. The Institute currently comprises over 30 faculty members from the Schools of Engineering, Arts and Sciences, and Health Sciences. The Institute's vision is to solve large, complex scientific and engineering challenges in nanotechnology area by facilitating interdisciplinary teams. Dr. Kim's research has been centered on developing new photonic and electronic devices at micro and nanoscales using various functional materials. His research in nanotechnology area investigates a directed self-assembly process as an enabling technology for vertical integration at all length scales (from nano to wafer scale). Single-domain, ordered nanochannel arrays with controlled symmetry have been developed using a directed self-organization method, and have been investigated as an interaction medium in the optical, electrical, chemical, and biological domains. Dr. Kim has published 60 refereed papers, and has authored four patents in nanotechnology area.

Dr. Kim received the Engineering Foundation/IEEE/Air Force Research Initiation Grant Award, the School of Engineering Beitle-Veltri Memorial Award for excellence in teaching, and William Kepler Whiteford Faculty Fellowship.

Dr. Kim received his BS degree in electronic engineering from Seoul National University, MS degree from Korea Advanced Institute of Science and Technology, and Ph.D. degree (1989) from Carnegie Mellon University in electrical and computer engineering.