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## **Prof. Tae-Dong Kim**

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Tae-Dong Kim is currently a Professor of the Department of Advanced Materials at Hannam University. He received his PhD degree (2007) in Materials Science & Engineering from University of Washington in USA. His research field is based on the development of high-performance polymeric materials and organic/inorganic hybrid nanoparticles for optoelectronic device applications. His endeavors include designing core/shell nanoparticles, creating self-assembled supramolecules, and exploring molecular structure/property relationships evaluated by spectroscopy, thermal analysis, and device performance. Recently, he has expanded his research areas to novel CMP materials and processes through his expertise in molecular engineering for improving CMP performance and minimizing surface roughness.