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Nanotechnology Convergence for IT, ET, and BTs, Jongmin Kim,
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We present the current and future nanotechnology, especially focusing on the convergence of nano with electronics, photonics, energy, and bio areas. Nano-electronics will cover the graphene and carbon nanotubes, and their applications in nano vacuum electronics. These will also cover flexible and transparent electrodes, and transistors. Nano-photonics will include quantum-dot displays and other applications with field enhanced structure. Nano energy areas will be covered with energy generation and storage. New types of nano bio medical imaging system such as multi beam X-rays and terahertz imaging system will be specially covered.