

Electronics off the Roadmap: What Happens after 2016?

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The scaling of charge-based devices is projected to reach its limits in approximately 2016, and a search is underway for successors. This talk will review the physics and technology of atomic and molecular-scale electronic systems, and their applications. Special emphasis will be given to molecular and self-assembled systems. The interfaces of electronics to chemical and biological systems is an additional opportunity enabled by nanoscale devices, and their applications will be explored.
