



FIRST INTERNATIONAL NANOTECHNOLOGY CONFERENCE ON COMMUNICATION AND COOPERATION

Abstract

Quantifying Nanotechnology's Economic Impact

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Nanoscale science and engineering is a horizontal enabler that will ultimately impact all manufactured goods. In the next decade, emerging nanotechnology applications will be incorporated into products worth \$2.6 trillion. In most cases these innovations will sustain existing price/performance curves, but some products -- most notably in electronics and life sciences -- will see disruptions in cost structure that will reshuffle competitive positions. This presentation will outline how and when nanotechnology will impact product segments and who will capture the value, with a focus on where the U.S. is likely to lead and to lag.