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Sommario/riassunto

Leaders in the field predict the future of the microelectronics industry This seventh volume of Future Trends in Microelectronics summarizes and synthesizes the latest high-level scientific discussions to emerge from the Future Trends in Microelectronics international workshop, which has occurred every three years since 1995. It covers the full scope of cutting-edge topics in microelectronics, from new physical principles (quantum computing, correlated electrons), to new materials (piezoelectric nanostructures, terahertz plasmas), to emerging device technologies