



SECOND INTERNATIONAL NANOTECHNOLOGY CONFERENCE ON COMMUNICATIONS AND COOPERATION

Speaker's Biography

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Robert Westervelt received his Ph.D. from the University of California, Berkeley in 1977. Following a postdoctoral appointment at Berkeley, he moved to Harvard University in 1979.

Westervelt's group investigates the quantum behavior of electrons inside nanoscale semiconductor structures and develops tools for the manipulation of biological systems. Current research topics include: imaging electron flow through nanoscale devices at low temperatures using scanning probe microscopy; making artificial molecules composed of few-electron quantum dots for quantum information processing; and the development of hybrid Integrated Circuit / Microfluidic chips to trap, move, assemble and sort biological cells and small particles in fluids.

Robert Westervelt is Director of the NSF-funded Nanoscale Science and Engineering Center at Harvard University, which includes participants at the Massachusetts Institute of Technology, the University of California, Santa Barbara and the Museum of Science, Boston. Previously Westervelt was Director of the Materials Research Science and Engineering Center, and Co-Director of the Joint Services Electronics Program at Harvard.