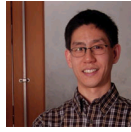




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Professor Isaac Chuang is a principal investigator in the Research Laboratory of Electronics (RLE) at the Massachusetts Institute of Technology (MIT). Professor Chuang is widely recognized for his pioneering work in the creation of quantum computers while at IBM's Almaden Research Center. Professor Chuang is currently exploring large-scale quantum computers and cryptographic systems. He is the co-author, with Michael A. Nielsen, of *Quantum Computation and Quantum Information*.

Professor Chuang received a B.S. in electrical engineering and physics and an M.S. in electrical engineering, both from MIT. He received a Ph.D. in electrical engineering from Stanford University, and was a postdoctoral fellow at both the University of California at Berkeley and the Los Alamos National Laboratory. Prior to coming to the MIT, Professor Chuang was at IBM's Almaden Research Center. In 1999, he was named as one of the "100 Most Promising Inventors" by *Technology Review* magazine.

Keywords

information and computation, quantum computation, quantum information theory, entanglement and cryptography, silicon biology, atomic and molecular physics, spin detection and manipulation

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