



SECOND INTERNATIONAL NANOTECHNOLOGY CONFERENCE ON COMMUNICATIONS AND COOPERATION

Speaker's Biography

James T. Yardley, Columbia University



James T. Yardley is currently holds an appointment as Professor in the Electrical Engineering Department at Columbia University where he serves as Director of the Center for Integrated Science and Engineering (formerly the Columbia Radiation Laboratory). Prof. Yardley is also Managing Director of the Columbia Center for Electron Transport in Molecular Nanostructures, one of the NSF-sponsored Nanoscale Science and Engineering Centers (NSEC). He received a BS in Chemistry from Rice University (*magna cum laude*) in 1964 and PhD in Physical Chemistry from University of California at Berkeley in 1967. He served as Assistant Professor and Associate Professor of Chemistry at University of Illinois, Champaign-Urbana from 1967 to 1977 where he received the Alfred P. Sloan fellowship and a Dreyfus Teacher-Scholar Award. He has published over 120 research papers and is co-inventor on more than 27 issued US patents.

Previously he served as Head of the Growth Center for AlliedSignal's Electronic Materials business and directed several technical and business development programs. In particular, at AlliedSignal (now Honeywell International) Prof. Yardley created a research program to develop new optical materials and devices resulting in several business ventures in polymeric optics. His organization also developed new polymeric substrate materials for advanced electronic circuitry.