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Resume of William B. Colson, 1993-08

Colson, William B.

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RESUME OF WILLIAM B. COLSON

William B. Colson was born in Washington, DC on October 24, 1943. He received the B.S. and M.S. degrees in Physics from Wayne State University, Detroit, MI, in 1966 and 1972, and the Ph.D. degree in Physics from Stanford University, Stanford, CA, in 1977.

From 1966 to 1972, Prof. Colson was a Senior Physicist at Bendix Research Laboratory in Southfield, MI. From 1972 to 1975, he received a Bendix Corporation Graduate Fellowship at Stanford University. From 1978 to 1980, he was an Assistant Research Scientist at the Center for Space Physics, Rice University in Houston, TX, and Acting Assistant Professor at Stanford University, Stanford, CA. From 1980 to 1985, he was an Adjunct Professor in the Department of Physics and the Quantum Institute at University of California, Santa Barbara, CA. From 1985 to 1989, he was a Senior Associate with Berkeley Research Associates, Berkeley, CA.



In July 1993, Professor Colson became Chairman of the Physics Department at the Naval Postgraduate School after joining the Department in August of 1989. Early research at Bendix Research Laboratory included experimental and theoretical modeling of image intensifiers and microchannel array electron multipliers. Later at Stanford University, his research became centered on the theory and simulation of free-electron lasers. This work has been performed in close collaboration with experimentalists at various National Laboratories and universities that are building free electron lasers. He has been the principal Investigator of 35 research contracts with LANL, LLNL, AFOSR, ONR, NASA, NRL, LBL, and NSF. He has published 76 research papers, holds 3 patents, and has given 54 invited lectures. He has been a Guest Editor for IEEE Journal of Quantum of Electronics, and is a Co-Editor of a book entitled Free Electron Laser Handbook published by North-Holland Publishing Company. He has been a Visiting Scientist at LURE, University of Paris, Orsay, France, and at the Center for Energy Research (ENEA), Frascati, Italy, and at the Shanghai Institute of Optics, Academia Sinica, Shanghai, People Republic of China.

Prof. Colson is a member of the American Physical Society, the American Association for the Advancement of Science, the Optical Society of America, Sigma Xi, and International Union of Radio Sciences, Commission H.

HONORS: In 1989, Prof. Colson received the Free-Electron Laser Prize from the IEEE Laser and Electro-Optic Society. He received the Bendix Corporation Graduate Fellowship from 1972 to 1975, and is a member of Sigma Xi.