

John Bulman

Professor of Physics at Loyola Marymount University

Los Angeles, CA, US

Seaver College of Science and Engineering

Biography

Contact: Phone: 310.338.5144 Email: John.Bulman@lmu.edu Office: Seaver 102 A Dr. Bulman was a physics major at Brown University, receiving his B.Sc. degree in physics in June 1973. From there, he went to Philadelphia, Pennsylvania and began his graduate studies in physics at the University of Pennsylvania. He received his MS in physics after one year and then took one year off from his studies. He returned to graduate school in the Fall of 1975 at Tufts University in Medford, Massachusetts. Dr. Bulman's Ph. D. thesis was on "Magnetic Impurities in Superconducting Thorium: Pressures to 20 kilobars." His Ph. D. thesis advisor was Dr. John G. Huber. After defending his thesis on December 1980 and he flew to California to start a post-doctoral fellowship with Dr. Frank "Bud" Bridges at UC Santa Cruz. The research projects at Santa Cruz included work on ripples on the surface of liquid helium and para-electric resonances of alkali-halide crystals. In September 1982, Dr. Bulman joined the faculty in the physics department at Loyola Marymount University. For two summers he was a NASA summer fellow at JPL in Pasadena, where he worked with Dr. Javier Bautista. Since 1986, Dr. Bulman has worked part-time in the Superconducting Electronics Research Group at TRW (now Northrup-Grumman). The original head of the group was Dr. Arnold Silver, co-inventor of the SQUID (Superconducting Quantum Interference Device). Two LMU physics majors, Dr. Susanne Thomson and Mr. Oscar Salazar were employed by this group. Dr. Bulman's main focus remains teaching. He has at one time or another taught every course listed in the Physics Department course bulletin. Recently with Dr. James McCarthy, the two received an NSF grant to improve the department's advanced laboratory course Physics 411. This grant has allowed them to buy equipment to design the course focused around a central theme of digital array processors.

Industry Expertise

Research, Education/Learning

Areas of Expertise

Physics, Digital Array Processors

Education

Tufts University at Medford

Ph.D. Solid State Physics

University of Pennsylvania

M.S. Physics

[Please click here to view the full profile.](#)

This profile was created by [Expertfile.](#)