

講座大師 Douglas D. Osheroff 簡介



EDUCATION

1973 Ph.D, Cornell
1967 B.S, Caltech

PROFESSIONAL POSITIONS

Present Chair, Physics Department, Stanford
 J.G. Jackson and C.J. Wood Professor of Physics
1987-Present Professor of Physics and Applied Physics
1981-1987 Head Solid State and Low Temperature Research Department
1972-1987 Member of Technical Staff of AT&T Bell Laboratories

RESEARCH INTERESTS

Research efforts center around studies of quantum fluids and solids and glasses at ultra-low temperatures. Current work in quantum fluids and solids includes studies of transport properties in nuclear magnetically ordered solid ^3He , studies of the B phase nucleation in superfluid ^3He , and experimental searches for new magnetically ordered two dimensional phases of both solid and liquid ^3He on graphite surfaces. The work involving glasses is intended to elucidate the nature of two level systems in amorphous materials at ultra-low temperatures, and to develop new low heat capacity/high resolution thermometers for use in the 1 to 10 mK temperature range.

Specialty: ultra-low temperature physics

AWARDS AND HONORS

Present Member of the National Academy of Sciences
1996 Co-recipient of the Nobel Prize in Physics
1991 Walter J. Gores award for teaching
1981 MacArthur Prize Fellow
1981 Oliver E. Buckley Prize
1976 Simon Memorial Prize
 Fellow of the American Physical Society and the American Academy of Arts and Sciences