

Curriculum Vitae

Name: Arthur F. Hebard *Marital Status:* Single
Birthdate: March 2, 1940

Birthplace: New York City, NY

Home Address: 6408 NW 45th Pl
Gainesville, FL 32653

Education: Sept 1958 - June 1962: BA in Physics, Yale University
(Magna Cum Laude, Phi Beta Kappa)
Sept 1962 - June 1964: MS in Physics, Stanford University
Sept 1964 - Jan. 1971: PhD in Physics, Stanford University

Work Experience:

Sept 1962 - June 1963: Teaching Assistant in Physics, Stanford University
June 1963 - Sept 1963: Research Assistant in Radio Sciences Institute, Stanford University
Sept 1963 - Aug 1970: Research Assistant in Low Temperature Physics, Stanford University
Sept 1970 - Aug 1972: Research Associate, High Energy Physics Lab, Stanford University
Sept 1972 - Jan 1996: Member of Technical Staff, AT&T Bell Telephone Laboratories
May 1996 – Aug 2007: Professor of Physics, University of Florida (UF), Gainesville
Sept 2007 – present: Distinguished Professor of Physics, University of Florida, Gainesville

Research Interests:

Thin-film physics, graphene, fullerenes and fullerene derived compounds, superconductivity, dilute magnetic semiconductors, magnetism in thin films and at thin film interfaces, interface capacitance, magnetocapacitance of complex oxides and semiconductors.

Professional Activities and recognition:

Editorial Boards of Superconductivity (Plenum, 1990-1995) and Applied Physics A (Springer-Verlag, 1992-2003). Organizing committee for Inhomogeneous Superconductors Conference (1979), Applied Superconductivity Conference (1986), Division of Materials Physics Focus Session on Buckyballs (March '92 and March '93 APS Meetings), Physics and Chemistry of Molecular and Oxide Superconductors Conference (satellite to LT20 - Aug 1993), and the 1993 MRS Symposium on Fullerenes. Professional Society Memberships in AIP, AAPT, AAAS, MRS, and Sigma Xi. David M. Dexter Memorial Lecturer (U. of Rochester, 4/94). Fellow of APS (1995). Divisional Councilor for the Division of Condensed Matter Physics (DCMP) of the APS (elected, 1998-2001). APS Executive Council (2000-2001). Chair, APS Committee on Careers and Professional Development (2000-2001). AIP Committee on Careers (2003-2005). Member at Large of the Division of Materials Physics (DMP) of the APS (elected, 2004-2007). DMP Fellowship Committee (2004-2005), U. of Florida Research Foundation (UFRF) Professorship (2004-2006). Member, NSF-DMR Committee of Visitors (2005). Program Committee for Magnetism and Magnetic Materials Conference (2005-2006), NHMFL Users Committee (elected 2005-2007), AAAS fellow (2005), APS Keithley Award Committee (vice chair, 2006; chair 2007), APS McGroddy Prize (2008). Visiting Committee for external review of the Dpt. of Physics at U. Minnesota, April 20-23, 2008. Sigma Xi Senior Faculty Research Award (April, 2011), UF Provost's medal (2014), APS Oliver E. Buckley Prize (2015), Assoc. editor for Reviews of Modern Physics (2005-). Elected to US National Academy of Sciences (May, 2017).

Publications: More than 260 refereed scientific publications and 90 invited presentations.

Patents: eleven issued

Citation: Paper titled "Superconductivity at 18K in potassium-doped C60" by Hebard *et al.* [Nature 350, 600(1991)] listed by the Institute for Scientific Information (ISI) in Science Watch as the research paper most frequently cited in 1991.