

SENIOR, THOMAS B.A.

Emeritus Professor of Electrical Engineering and Computer Science
The University of Michigan
(734) 647-1788

Date of Birth: 26 June 1928

Education: B.Sc., Manchester University, U.K., 1949
M.Sc., Manchester University, U.K., 1950
Ph.D., Cambridge University, U.K., 1954

Employment:

1949 High School Mathematics Teacher (part time), Huddersfield Education Committee, U.K.
1952–57 Radar Research and Development Establishment, Malvern, U.K. (Scientific Officer, 1952–55; Senior Scientific Officer, 1955–57)
1956 Technical College Lecturer (part time), Worcestershire Education Committee, U.K.
1957– University of Michigan Radiation Laboratory (Research Assoc., 1957–58; Assoc. Res. Math., 1958–59; Res. Math., 1959–69)
1962–64 Associate Director, Radiation Laboratory
1969–85 Professor of Electrical and Computer Engineering
1974–87 Director, Radiation Laboratory
1985–90 Associate Chair for Electrical Engineering, EECS Department
1985–98 Professor of Electrical Engineering and Computer Science
1987 Acting Chair, EECS Department
1991–98 Associate Chair for Academic Affairs, EECS Department
1998– Emeritus Professor

Awards:

1956 Best Paper Award, *Proc. IEE* (London), Part C
1962 Sigma Xi
1972 Fellow, IEEE
1979 Tau Beta Pi
1981 College of Engineering Research Excellence Award
1981 Eta Kappa Nu Faculty Award (for Outstanding Teaching)
1982 Eta Kappa Nu Faculty Award (for Outstanding Teaching)
1983 Stephen S. Atwood Award, College of Engineering
1986 Tau Beta Pi Outstanding Faculty Award
1988 College of Engineering Teaching Excellence Award
1990 Arthur F. Thurnau Professor
1991 University of Michigan Teaching Excellence Award

1993	URSI Van der Pol Gold Medal
2000	IEEE Third Millennium Medal
2000	IEEE AP-S Distinguished Achievement Award
2009–	Honorary Member, USNC/URSI
2010	IEEE Electromagnetics Award

University of Michigan Committees:

1972–73	ECE Department Review Committee
1974–77	ECE Department Graduate Committee
1974–77	Advisory Committee for B.S. (Applied Math)
1970–80	Engineering-Mathematics-Statistics Committee (Co-Chairman, 1979–81)
1979–82	University Faculty Awards Committee
1979–83	Senate Assembly
1980	University Advisory Committee on Academic Affairs
1980–81	University Advisory Committee on University Affairs
1980–83	Senate Advisory Committee on University Affairs (SACUA)
1980–83	ECE Department Graduate Committee
1981	College Ad Hoc Committee on Endowed Professorships
1981–82	University Ad Hoc Committee on Indirect Costs
1981–82	University Ad Hoc Committee on Rackham Appeals Procedures
1981–83	University Research Policies Committee
1983–85	College Executive Committee
1984–86	University Senior Scholarships Committee
1985	College Ad Hoc Committee on Ground-Breaking Ceremony
1985	University Search Committee for Vice President for Research
1985–93	EECS Department Executive and Administrative Committees
1987–88	University GSRA Task Force
1989–91	College Awards Committee
1991–93	University Library Council

National and International Activities:

1966	Member, U.S. Delegation, 15 th General Assembly of URSI, Munich, West Germany (5–15 September)
1967	Chair, Technical Program Committees, IEEE Antennas and Propagation International Symposium and USNC/URSI Fall Meeting, Ann Arbor, MI (16–19 October)
1969–72	Member-at-Large, U.S. National Committee for URSI (USNC/URSI)
1970–73	Associate Editor, <i>Radio Science</i>
1972	Member, U.S. Delegation, 17 th General Assembly of URSI, Warsaw, Poland (21–29 August)

1973 Member of Executive Committee, USNC/URSI

1973–75 Vice Chairman, USNC/URSI Commission B

1973–78 Member, AGU Council

1973–78 Member, URSI-AGU Joint Board for Radio Science

1973–79 Editor, *Radio Science*

1976–78 Chair, USNC/URSI Commission B

1977 Chair, Technical Program Committee, URSI Symposium on Electromagnetic Wave Theory, Stanford, CA (20, 24 June)

1978 Alternate U.S. Delegate, 19th General Assembly of URSI, Helsinki, Finland (31 June – 8 August)

1978 Member, Technical Program Committee, National Radio Science Meeting, Boulder, CO (9–13 January)

1978 Chair, Technical Program Committee, National Radio Science Meeting, Boulder, CO (6–9 November)

1978 URSI Commission B Editor “Review of Radio Science”

1978 Member, Technical Program Committee, IEEE AP-S International Symposium on Antennas and Propagation, College Park, MD (15–19 May)

1978–80 Member, DOE Wind Turbine Site Selection Committee

1979 Co-Chair, Technical Program Committee, IEEE AP-S International Symposium on Antennas and Propagation and Radio Science Meeting, Seattle, WA (18–20 June)

1979 Chair, Technical Program Committee, National Radio Science Meeting, Boulder, CO (5–8 November)

1979–81 Secretary, USNC/URSI

1980 Co-Chair, Technical Program Committee, and Member, Steering Committee, North American Radio Science Meeting, Quebec, Canada (2–6 June)

1981 Chair, Technical Program Committee, and Member, Steering Committee, National Radio Science Meeting, Boulder, CO (12–16 June)

1981 Member, Organizing Committee and Chair, Publications Committee, 20th General Assembly of URSI, Washington, DC (10–19 August)

1981–84 Chair, URSI Publications Committee

1981 Official U.S. Delegate, 20th General Assembly of URSI, Washington, DC (10–19 August)

1982 Member, Steering Committee, National Radio Science Meeting, Boulder, CO (13–15 January)

1982 Member, Technical Program Committee, IEEE AP-S International Symposium on Antennas and Propagation, Albuquerque, NM (24–28 May)

1982–84 Chair, USNC/URSI

1983 Member, Steering Committee, National Radio Science Meeting, Boulder, CO (5–7 January)

1983–84 Member, National Academy of Science Geophysics Research Forum

1984 Member, Steering Committee, National Radio Science Meeting, Boulder, CO (11–13 January)

1984 Chief U.S. Delegate and Head of Delegation, 21st General Assembly of URSI, Florence, Italy (29 August – 5 September)

1984–90 Associate Editor, *Electromagnetics*

1985–87 Immediate Past Chair and Chair of Nominating Committee, USNC/URSI

1985–87 Vice Chair, URSI Commission B

1986 Vice Chair, Technical Program Committee, URSI International Symposium on Electromagnetic Theory, Budapest, Hungary (25–29 August)

1987 Chair, URSI Technical Program Committee, IGARSS '87, Ann Arbor, MI (18–21 May)

1987 Official U.S. Delegate, 22nd General Assembly of URSI, Tel Aviv, Israel (24 August – 2 September)

1988–90 Chair, URSI Commission B

1988–90 Member, URSI Committee on Future General Assemblies

1989 Chair, Technical Program Committee, URSI International Symposium on Electromagnetic Theory, Stockholm, Sweden (14–17 August)

1990 U.S. Delegate, 23rd General Assembly of URSI, Prague, Czechoslovakia (28 August – 5 September)

1991–93 Chair, Standing Committee on URSI Membership

1992 Member, Technical Program Committee, URSI International Symposium on Electromagnetic Theory, Sydney, Australia (17–20 August)

1992–93 Member, USNC/URSI Nominating Committee

1992–93 Chair, USNC/URSI Constitution and Bylaw Committee

1993 Chair, URSI Technical Program, IEEE AP-S International Symposium and URSI Radio Science Meeting, Ann Arbor, USA (27 June – 2 July)

1993 U.S. Delegate, 24th General Assembly of URSI, Kyoto, Japan (25 August – 2 September)

1994–96 URSI Vice President

1996 U.S. Delegate, 25th General Assembly of URSI, Lille, France (28 August – 5 September)

1997–99 URSI President

1999 U.S. Delegate, 26th General Assembly of URSI, Toronto, Canada (13–21 August)

2000–02 Immediate URSI Past President
Chair, URSI Awards Panel

2002 U.S. Delegate, 27th General Assembly of URSI, Maastricht, The Netherlands (17–24 August)

2003–05 Chair, URSI Young Scientists Committee

2003–11 Chair, USNC/URSI Booker Committee

2005 U.S. Delegate, 28th General Assembly of URSI, New Delhi, India (23–29 October)

2008 U.S. Delegate, 29th General Assembly of URSI, Chicago, USA (9–16 August)