

Dr. Earl Arthur Thornton

See:

<http://ead.lib.virginia.edu/vivaxtf/view?docId=vt/viblbv00657.xml>

Biography (from <http://www.virginia.edu/bov/meetings/99mar/resolutionminutes.html>
<http://www.johnowens.info/TyrrellNews/feb2004.htm>)

Earl Arthur Thornton was born to Dora Weatherly Thornton and John S. Thornton in 1936. He has a brother, John S. Thornton, Jr. and a sister Elizabeth Thornton Gardner. He is married to Margaret Thornton and resides in Virginia. Earl A. Thornton graduated from Virginia Tech with a Bachelor's degree in Mechanical Engineering in 1959. Thornton went on to the University of Illinois to complete his Master's degree in Theoretical and Applied Mechanics before returning to Virginia Tech for a doctoral degree in Mechanical Engineering. Thornton graduated from Virginia Tech in 1968 and joined the professoriate. Thornton served at Old Dominion University (1969-1986), was a visiting scholar at the University of Texas (1987-88), and worked at the University of Virginia (1989-1999) until his retirement on May 24, 1999. Thornton authored books on thermal structures and the finite element method and is an Associate Editor of the Journal of Spacecraft and Rockets. Thornton is a Fellow of the American Institute of Aeronautics and Astronautics (AIAA).

Selected Publications:

Thornton, E. A., “**Thermal Structures: Four Decades of Progress**”, Proceedings of the 31st AIAA/ASME/ASCH/AHS Structures, Structural Dynamics and Materials Conference, Long Beach, CA, 1990, pp. 794-814.

Thornton, E. A., “**Thermal Buckling of Plates and Shells**”, Applied Mechanics Reviews, Vol 46, No. 10, 1993, pp. 485-506.

Thornton, E.A., Coyle, M.F. and McLeod, R.N., “Experimental Study of Plate Buckling Induced by Spatial Temperature Gradients”, Journal of Thermal Stresses, Vol. 17, No. 2, 1994, pp. 191-212

Thermal Structures for Aerospace Applications, Earl A. Thornton, AIAA Education Series, J..S. Przemieniecki, Series Editor-in-Chief, 1996, AIAA, ISBN 1-56347-190-6