

Brief Biography - Henrique Reis, Ph.D.

Professor Henrique Reis received his MS and Ph.D. degrees from the Massachusetts Institute of Technology in 1975 and 1979, respectively. Currently, is a Full Professor at the University of Illinois at Urbana- Champaign, where he is the Director of the Nondestructive Testing and Evaluation Research Laboratory, which he founded in 1987. Dr. Reis is a Fellow in the *British Institute of Nondestructive Testing* (BINDT), *Acoustic Emission Working Group* and in the *American Society for Nondestructive Testing* (ASNT). He has served as the Chair of the ASNT Research Council, Chair of the ASNT University Programs Committee, member of the ASNT Board of Directors, and as a member of the ASNT Executive Committee. Currently, he chairs the ASNT Research Council Awards Committee.

Dr. Reis' main research areas are in the development of advanced sensors, on-line process control and materials characterization, and life-cycle management of materials and structures. He places special emphasis on the development and optimization of those nondestructive evaluation techniques, which lend themselves to intelligent manufacturing and construction processes. Dr. Reis has research interests in the areas of quality control inspection methods in manufacturing and construction, sustainable infrastructure, mechanics of composite materials, design of composite structures, and design for inspectability. Because of his efforts in incorporating nondestructive testing and evaluation in the area of design for inspectability, he was bestowed the ASNT Citation Award in 2002. Dr. Reis has published over 150 technical articles and reports on nondestructive testing and evaluation. Dr. Reis has advised over 70 industry-sponsored project design teams, out of which 34 were award-winners in the National Lincoln Arc Welding Design Competition. Dr. Reis has also served as a design consultant to several companies including Sundstrand Aviation, Kraft, Chicago Extruded Metals, Eaton, and R.R. Donnelley & Sons Company.