



**Roger Simpson Presented with the Albert Nelson Marquis
Lifetime Achievement Award by Marquis Who's Who**

Roger Simpson has been endorsed by Marquis Who's Who as a leader in the education industry

BLACKSBURG, VA, **February 26, 2019**, Marquis Who's Who, the world's premier publisher of biographical profiles, is pleased to present Roger Simpson with the Albert Nelson Marquis Lifetime Achievement Award. An accomplished listee, Roger Simpson celebrates many years' experience in his professional network, and has been noted for achievements, leadership qualities, and the credentials and successes he has accrued in his field. As in all Marquis Who's Who biographical volumes, individuals profiled are selected on the basis of current reference value. Factors such as position, noteworthy accomplishments, visibility, and prominence in a field are all taken into account during the selection process.

Roger Lyndon Simpson
President, AUR, Inc.
Jack E. Cowling Professor Emeritus,
Virginia Polytechnic Institute and State University
Blacksburg, VA
Featured in The Marquis Millennium Magazine
Marquis Who's Who



November 2019. In pursuit of an education, Dr. Roger Lyndon Simpson received a scholarship to the University of Virginia, where he obtained a Bachelor of Mechanical Engineering in 1964. With this success, he received a National Science Foundation Fellowship, earning a Master of Science in Mechanical Engineering in 1965 and a PhD in 1968, both from Stanford University.

Dr. Simpson's career began in 1968 as a development engineer for the General Electric Nuclear Energy Division, engaged in experimental two phase heat transfer and flow research. When a new opportunity arose in 1969, he became a professor at Southern Methodist University and a registered professional engineer in Texas. He not only taught but led the design and construction of two turbulent boundary layer wind tunnels, designed a new technology 3-velocity-component laser anemometer, and was the first to describe the detailed structure of practical turbulent stalled flows such as occur on airplanes and in jet engines. This pioneering work led to international recognition and later to becoming a Fellow of both the American Society of Mechanical Engineers and the American Institute of Aeronautics and Astronautics, where he later held several elected offices: vice president of education, vice president of publications, and president from 2005 to 2007.



In 1983, Dr. Simpson returned to his native Virginia, becoming the Jack E. Cowling Professor of Aerospace and Ocean Engineering at Virginia Polytechnic Institute and State University in Blacksburg. He continued work on the structure of stalled turbulent flows, now including 3D vortex flows, using new laser anemometer designs and unique facilities that simulated the dynamic motions of maneuvering airplanes and submarines. These experimental results were recognized as major contributions to aid computer simulations of these practical flows. Dr. Simpson has contributed to more than 350 refereed publications in professional journals and conferences on turbulence in separated and three-dimensional flows, novel measurement instruments, and unsteady submarine flow and behavior.

With this background, Dr. Simpson led AUR, Inc., to create cost-effective patented streamlined fairing designs (scAUR™) for bridge piers and abutments that prevent for all water flow speeds the vortical flows that scour away the supportive rock and soil and can destroy a bridge. Full-scale testing under National Academy of Sciences support have proven these designs. He is a member of the American Society of Civil Engineers. He appreciates all of the support and encouragement of many people and the Lord.

For his outstanding work, he was featured in numerous volumes of Who's Who in American Education and Who's Who in Science and Engineering. In recognition of outstanding contributions to his profession and the Marquis Who's Who community, Roger Simpson has been featured on the Albert Nelson Marquis Lifetime Achievement website. Please visit www.ltachievers.com for more information about this honor.

About Marquis Who's Who®:

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