

## **R. C. Hansen - His Life, His Awards and His Books**

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Dr. Robert C. Hansen died on February 9, 2018, leaving behind a rich legacy of work in antennas and service to the IEEE and other organizations.

This presentation will focus on Dr. Hansen's many awards, his decades of service and his lifelong pursuit of excellence. Dr. Hansen was a Life Fellow of IEEE and a Fellow of IEE, he served as President of the IEEE Antennas and Propagation Society (twice), Director of IEEE, and Chair of the U.S. Commission B of URSI. He was a member of the National Academy of Engineering, the American Physical Society, Tau Beta Pi, Sigma Xi, Eta Kappa Nu, and Phi Kappa Phi. His numerous honors include the IEEE AES Barry Carlton Best Paper Prize, the IEEE AP Society Distinguished Achievement Award, the IEEE Electromagnetics Award, an honorary Doctorate from the University of Missouri-Rolla, a Distinguished Alumnus award from the University of Illinois Electrical Engineering Department, and a Distinguished Alumnus Service Medal from the University of Illinois College of Engineering.

Dr. Hansen also wrote many books that have become classics in the field of antennas. His last book was published in 2011 on Electrically Small Antennas, a favorite subject of his.

My discussion of Dr. Hansen's sixty plus year career in antennas will be illustrated with photographs of many of the plaques he received and covers of all the books he authored.

Also highlighted will be work from his Master's Thesis and Ph.D. dissertation, which might be the first Ph.D. dissertation to use a digital computer for antenna modeling.

These illustrations will be linked with stories about some of Dr. Hansen's many achievements, such as receiving The Barry Carlton award for a paper dealing with superconductivity that changed the research agenda in that field.