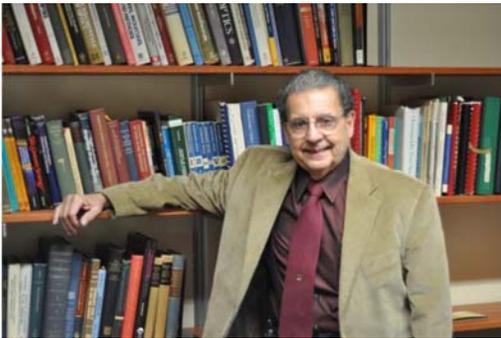


## 2015 Van de Hulst Award winner



**George W. Kattawar**

Professor Kattawar is Professor Emeritus of the Physics & Astronomy and Institute for Quantum Science and Engineering at Texas A&M University. He is an internationally renowned expert in radiative transfer and light scattering dealing with full Mueller matrix/Stokes vector processes. He has made significant contributions in using light scattering and radiative transfer in diverse areas as biomedical optics, planetary atmospheres, cloud property studies related to global warming, invisibility cloaking, ultrashort laser propagation in water, and anthrax detection, just to mention a few.

Prof. Kattawar's publications number over 220 and have appeared in many journals in the field including 33 papers in JQSRT. He has won several awards such as Fellow of the Optical Society of America, 1976; Amoco Foundation Teaching Excellence Award, 1981; Teacher/Scholar Award, 1990. He was also elected for two, three year terms on the Committee on Recommendations for U.S. Army Basic Scientific Research under the National Research Council. He was selected by the Texas Academy of Science as the Distinguished Texas Scientist for the year 2011. His most recent honor was being named to receive the prestigious Jerlov Award for 2014 which is the highest award presented by the Oceanography Society sponsored by both ONR and NASA and now was elected to receive the 2015 Van de Hulst Award for Light Scattering.

Prof. Kattawar is a former Associate Editor of the *Journal of Geophysical Research: Oceans* and a former Associate Editor of the journal of *Transport Theory and Statistical Physics*. He was selected to be Editor of the SPIE Milestone Series on "Multiple Scattering in Plane Parallel Atmospheres and Oceans: Techniques". He was selected (2009) to serve on the External Advisory Board of the Stevens Institute of Technology to assess their engineering and science programs. He most recently was appointed as Academic Advisor of the Board of Directors of the Texas Academy of Science. He was honored in the April issue of *Applied Optics* celebrating their 50<sup>th</sup> anniversary as fourth of the fifty most prolific authors in *Applied Optics*. He has also been a major consultant to the Navy for several secret projects using his radiative transfer codes to solve problems related to National Defense.