



WILLIAM T. PECORA AWARD

Marvin E. Bauer

For his many contributions to remote sensing education, science, and applications.

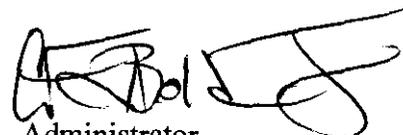
Dr. Marvin E. Bauer, Professor in the Department of Forest Resources and Director of the Remote Sensing and Geospatial Analysis Laboratory at the University of Minnesota, is a pioneer in the remote sensing of natural resources. After receiving his Ph.D. in agronomy from the University of Illinois in 1970, he focused his career on advancing the applications of digital remote sensing for the inventory, monitoring, and analysis of land, vegetation, and water resources. As a research agronomist with the Purdue University Laboratory for Applications of Remote Sensing, he helped define the early role of remote sensing for agriculture and forestry. He made significant contributions to the National Aeronautics and Space Administration (NASA) Large Area Crop Inventory Experiment including the design of field experiments to develop and evaluate the algorithms required to process Landsat data for monitoring croplands. Dr. Bauer moved to the University of Minnesota in the mid-1980's where he continued his research in agricultural remote sensing, but also investigated forestry applications including boreal forest biomass measurements. His recent work has concentrated on monitoring lake water quality, impervious surface mapping, land cover classification, and change detection. In addition to research, Dr. Bauer has mentored many students who have gone on to prominent positions in remote sensing across the U.S. and around the world.

Dr. Bauer is perhaps best known for 30 years of outstanding service as the editor-in-chief for the premier remote sensing journal – *Remote Sensing of Environment*. Through his untiring efforts, it has become the top-rated remote sensing journal according to the Science Citation Index Impact Factor. Dr. Bauer has directly improved the credibility of remote sensing science through his commitment to the timely publication of the highest quality papers.

Dr. Bauer is a recipient of the Science Applications International Corporation Estes Memorial Teaching Award and the American Society of Photogrammetry and Remote Sensing Lifetime Achievement Award and is a Fellow of the ASPRS. Dr. Bauer was also awarded the NASA Distinguished Public Service Medal in recognition of his outstanding scientific contributions over the past 25 years to NASA's terrestrial remote sensing programs.

In recognition of his many and sustained accomplishments, the Department of the Interior and NASA take great pleasure in presenting the 2010 William T. Pecora Award to Dr. Marvin E. Bauer.


Secretary
Department of the Interior


Administrator
National Aeronautics and Space Administration