

Imaging Emissions From the Middle Atmosphere

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4pm, Wed., Oct. 28, 2009

Auditorium of the Chester F. Carlson Center for Imaging Science

Speaker Biography:

Gary Swenson earned his BS at Wisconsin State University, Superior, 1963; his MS and Phd degrees in Aeronomy from the University of Michigan, Ann Arbor, in 1968 and 1975, respectively. He was a research engineer at NASA, Marshall Space Flight Center in Space Environment, 1968-1975, and a research scientist in the Magnetospheric Physics group, 1975-1983. He was a member of the Atmospheric Emissions group at the Lockheed Palo Alto Research Lab, 1983-1996, and group leader 1993-996. He is Professor of Electrical and Computer Engineering at the U of Illinois, Champaign-Urban, 1996-Current. His work at NASA and Lockheed involved atmospheric remote sensing of Aurora and Airglows, and he was a Co-Investigator on the Atmospheric Emissions Photometric Imager flown on STS-9. He was an investigator on a number of shuttle flights imaging spacecraft glow phenomena, and was the PI on the spacecraft glow experiment flown on STS 63. At the U of Illinois, he is the director of the Remote Sensing and Space Sciences group where there is active research in ground based and space craft remote sensing of the middle and upper atmosphere using imaging and lidar methods.