



Geoscience and Remote Sensing Society



Sunnier than a Sunny Day: Recent Advances in Hyperspectral Image Simulation for Partly Cloudy Scenes

Robert Sundberg, PhD
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March 1 3-4pm

Center for Imaging Science (Bldg. 76, Rm 1125-Auditorium), RIT

SPEAKER BIO

Dr. Sundberg is President of Spectral Sciences, Inc. and served as the Vice President of Technology Development and the Group Leader of Detection and Discrimination Group. His present research activities include the development of hyperspectral scene simulation models, target detection and identification algorithms, rapid real-time IR target imaging models, high temperature optical models for reentry vehicle ablation products, and high resolution line-by-line radiation transport models for calculating non-equilibrium infrared vacuum core plume radiation. Dr. Sundberg received his Ph.D. from UCLA in Physical Chemistry where his graduate research included development and application of time-dependent semiclassical and exact quantum mechanical techniques to study the spectroscopy of polyatomic molecules.