

Amgen Seminar Series in Chemical Engineering
in
Cherry Auditorium, Kirk Hall, 1 PM

Presents on April 17, 2014

“Hyperspectral Imaging – Physics and Applications”

By

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Hyperspectral imaging has important benefits in remote sensing and target discrimination applications as well as in chemical detection and identification. This presentation will review recent progress and current state-of-the-art in hyperspectral instrumentation including dispersive spectrometers, imaging interferometers, and ‘snapshot’ systems for analyzing fast, dynamic events. Numerous application examples will be highlighted such as target detection and identification, earth resources monitoring, medicine, agriculture, forensics, environmental monitoring.

Dr. Jim Daly joined Bodkin Design & Engineering of Newton, MA in 2007. He is responsible for developing new products and managing sponsored research programs. Previously, Dr. Daly was Senior Scientist and Program Manager for ICx Ion Optics of Waltham, MA. There he led product development efforts, particularly of wavelength-tuned infrared beacons and infrared-based chemical sensors and supervised government sponsored research programs. Prior to mid-1998, Dr. Daly was a scientist at NZ Applied Technologies and before that Spire Corporation. He received his Ph.D. in physics from Brown University. Dr. Daly has over 35 years experience with infrared technology including the development of IR LEDs. He is author of over 60 papers and holds 11 patents.

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