

Librería  
**Bonilla y Asociados**  
desde 1950



**Título:** Spectral Sensing Research For Surface And Air Monitoring In Chemical, Biological

**Autor:** Theriault, Jean-Marc/ Jensen, James O

**Precio:** \$1680.00

**Editorial:**

**Año:** 2009

**Tema:**

**Edición:** 1ª

**Sinopsis**

**ISBN:** 9789812835918

This book provides unique perspectives on the state of the art in multispectral/hyperspectral techniques for early-warning monitoring against chemical, biological and radiological (CB&R) contamination of both surface (e.g. land) and air (e.g. atmospheric) environments through the presentation of a comprehensive survey of the novel spectroscopic methodologies and technologies that are emerging to address the CB&R defense and security challenges of the future. The technical content in this book lends itself to the non-traditional requirements for point and stand-off detection that have evolved out of the US joint services programs over many years. In particular, the scientific and technological work presented seeks to enable hyperspectral-based sensing and monitoring that is in real time and in-line; low in cost and labor requirements; and easy to support, maintain and use in military and security-relevant scenarios.

Contents:

The Hypertemporal-Hyperspectral Analysis Test Station \_ HYHATS (T Old et al.)

Wavelength Selective Bolometer Design (S Han et al.)

Multisensory Detection System for Damage Control and Situational Awareness (C P Minor et al.)

Inexpensive Chemical Defense Network for a Fixed Site (J A Seeley et al.)

Precision Measurement of Atmospheric Trace Constituents Using a Compact Fabry-Perot Radiometer (W S Heaps et al.)

Background Characterization with a Scanned Fourier Transform Spectrometer (A K Lazarevich et al.)

Signal Processing Algorithms for Staring Single Pixel Hyperspectral Sensors (D Manolakis et al.)

Estimating the Limit of Bio-Aerosol Detection with Passive Infrared Spectroscopy (A Ifarraguerri et al)