



Criminalistics Section – 2004

B139 Polarization Microspectroscopy of Fiber Evidence

Jumi Lee, PhD, CRAIC Technologies, 2400 North Lincoln Avenue, Altadena, CA*

This presentation will discuss the application of polarization spectroscopy to fiber evidence analysis. Polarization microscopy has been applied for many years for the analysis of fiber trace evidence. However, only limited research has been done with polarization spectroscopy, especially on the micro scale. In this paper, the results of a study of polarization microspectroscopy of textile fibers and the utility of the technique in forensic analysis are presented. The results are compared and discussed.

Polarization, Microspectroscopy, Fiber