



## Forensic Analysis on the Cutting Edge: New Methods for Trace Evidence Analysis

By -

Wiley-Interscience, 2007. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service!  
Summary: Preface. Foreword. Contributors. 1. All that Glitters Is Gold! (Robert D. Blackledge and Edwin L. Jones, Jr.). 1.1 What Is Glitter? 1.2 The Ideal Contact Trace. 1.2.1 Nearly Invisible. 1.2.2 High Probability of Transfer and Retention. 1.2.3 Highly Individualistic. 1.2.4 Quickly and Easily Collected, Separated, and Concentrated. 1.2.5 Easily Characterized. 1.2.6 Computerized Database Capability. 1.3 Characterization Methods. 1.3.1 Color. 1.3.2 Morphology. 1.3.3 Shape. 1.3.4 Size. 1.3.5 Specific Gravity. 1.3.6 Thickness. 1.3.7 Cross Section. 1.3.8 Infrared Spectra. 1.3.9 Raman Microspectroscopy. 1.3.10 Scanning Electron Microscopy/Energy Dispersive Spectroscopy. 1.4 Glitter as Evidence in Criminal Cases. References. 2. Forensic Analysis of Automotive Airbag Contact-Not Just a Bag of Hot Air (Glenn D. Schubert). 2.1 History of Airbags. 2.2 How Do Airbags Work? 2.3 Types of Forensic Evidence to Look for. 2.4 Airbag Case Reports and Examples. 2.5 Changes that Are Occurring. 2.6 Final Discussion. References. 3. Ink Analysis Using UV Laser Desorption Mass Spectrometry (John Allison). 3.1 Introduction. 3.2 The Instrumentation. 3.3 The Analyte Target Molecules. 3.4 LDMS for the Analysis of Dyes in Pen Inks. 3.5 Related Applications. 3.6 LDMS Analyses that "Don't Work." 3.7 Conclusions....



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