U.S. Department of Commerce
NTRL
NATIONAL TECHNICAL REPORTS LIBRARY

volume 5 • number 10 • *April 15th, 2013* *Newsletter*

National Technical Reports Library

The new generation NTRL V3.0 is now available! *Developed by the Federal Science Repository Service*

PB2012113254
Role and Impact of Forensic Evidence in the Criminal Justice System. Executive Summary.
Institute for Law and Justice, Alexandria, VA.
2010, 12p
Related Categories/Subcategories
92C (Social Concerns)
91C (Fire Services, Law Enforcement, & Criminal Justice)
43D (Police, Fire, & Emergency Services)
57F (Cytology, Genetics, & Molecular Biology)
57D (Clinical Chemistry)
Keywords: Forensic science, Assault and battery, Burglary.

PB2012113255
Role and Impact of Forensic Evidence in the Criminal Justice Process.
Institute for Law and Justice, Alexandria, VA.
2010, 151p
Related Categories/Subcategories
92C (Social Concerns)
91C (Fire Services, Law Enforcement, & Criminal Justice)
43D (Police, Fire, & Emergency Services)
57F (Cytology, Genetics, & Molecular Biology)
57D (Clinical Chemistry)
Keywords: Forensic science, Assault and battery, Burglary.

PB2012113306
Role and Impact of Forensic Evidence in the Criminal Justice System. Final Report, November 2011.
Institute for Law and Justice, Alexandria, VA.
2010, 130p
NCJ-236474
Related Categories/Subcategories
92C (Social Concerns)
91C (Fire Services, Law Enforcement, & Criminal Justice)
43D (Police, Fire, & Emergency Services)
57F (Cytology, Genetics, & Molecular Biology)
57D (Clinical Chemistry)
Keywords: Forensic evidence, Criminal justice, Offenders, Evidence.

PB2013100406
Taq Mutants Engineered for Forensics..
DNA Polymerase Technology, Inc. Saint Louis, MO.
2011, 44p
Related Categories/Subcategories
57F (Cytology, Genetics, & Molecular Biology)
57B (Biochemistry)
Keywords: Forensic analysis, Mutants, Blood.

Forensic Science

PB2010115555
Review of the Federal Bureau of Investigation Laboratory's Forensic DNA Case Backlog.
Department of Justice, Washington, DC. Office of the Inspector General.
2010, 30p
JD-OIG--10-39
Related Categories/Subcategories
91C (Fire Services, Law Enforcement, & Criminal Justice)
43D (Police, Fire, & Emergency Services)
57F (Cytology, Genetics, & Molecular Biology)
Keywords: Biological evidence, DNA technologies, Law enforcement.

ADA553107
Forensic Analysis of Human DNA from Samples Contamined with Bioweapons Agents.
Royal Canadian Mounted Police, Ottawa (Ontario).
2011, 63p
DRDC-CSS-CR-2011-22
Related Categories/Subcategories
92C (Social Concerns)
57F (Cytology, Genetics, & Molecular Biology)
Keywords: Deoxyribonucleic acids, Forensic analysis, Canada.

Newsletter
National Technical Reports Library
Purpose: To bring you a sampling of the latest documents added to the NTIS Database and to help you gain a greater understanding of the wealth of scitech information available from the National Technical Information Service.

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PB2013100408
Implementation of a DNA Triage and Analysis System Dedicated to increasing the Throughput of High Volume Crimes in a Forensic Laboratory.
National Inst. of Justice, Washington, DC.
2012, 133p
Related Categories/Subcategories
57F (Cytology, Genetics, & Molecular Biology)
91C (Fire Services, Law Enforcement, & Criminal Justice)
43D (Police, Fire, & Emergency Services)
92C (Social Concerns)
Keywords: Forensic analysis, Deoxyribonucleic acid (DNA), Crimes.

PB2013100695
Development of an Expert System for Automated Forensic Mitochondrial DNA Data Analysis.
North Texas State Univ., Denton.
2012, 130p
NCJ-239675
Related Categories/Subcategories
99A (Analytical Chemistry)
92D (Education, Law, & Humanities)
Keywords: Data analysis, Forensic science, Missing persons.

PB2008104340
System, Apparatus and Method for Forensic Facial Approximation.
General Electric Corp., Niskayuna, NY. Research and Development.
2004, 18p
PAT-APPL-10-992 433
Related Categories/Subcategories
57A (Anatomy)
91C (Fire Services, Law Enforcement, & Criminal Justice)
62B (Computer Software), 90D (Biology & Medicine)
Keywords: Patent applications, Forensics, Faces(Anatomy).

Key to Database Fields Used

The following NTIS database fields are used in this short listing of recently acquired technical reports.

- **NTIS Order Number**
- **Title**
- **Source**
- **Report Year, Page Count**
- **Report Number/ISBN13** (if available)
- **Related Categories/Sub-categories** (where the document is also indexed)
- **Keywords**

RSS Feeds are available in your choice of NTIS Subject Category. For information use the RSS link on the NTIS Homepage and look for the Category RSS Feeds button.

PB2013101468
Summary of Research Questions Identified Through the Sexual Assault Medical Forensic Examination Research Forum. Held in Washington, DC on March 28-29, 2012.
Department of Justice, Washington, DC. Office for Victims of Crime.
2012, 23p
Related Categories/Subcategories
91C (Fire Services, Law Enforcement, & Criminal Justice)
43D (Police, Fire, & Emergency Services)
92C (Social Concerns)
Keywords: Sexual assault, Health education, Training standards.

PB2013100605
Final Reports Submitted Under Forensic DNA Backlog Reduction Program Fiscal Year 2010 Awards .
National Inst. of Justice, Washington, DC.
2012, 155p
Related Categories/Subcategories
91C (Fire Services, Law Enforcement, & Criminal Justice)
43D (Police, Fire, & Emergency Services)
92C (Social Concerns)
Keywords: Forensic science, DNA technologies, Analytical methods.

PB2013101549
Audit of the Federal Bureau of Investigation Laboratory's Forensic DNA Case Backlog.
Department of Justice, Washington, DC. Office of the Inspector General.
2012, 48p
AR-12-39
Related Categories/Subcategories
91C (Fire Services, Law Enforcement, & Criminal Justice)
43D (Police, Fire, & Emergency Services)
57F (Cytology, Genetics, & Molecular Biology)
Keywords: Biological evidence, DNA technologies, Law enforcement.

PB2008114629
Mass Fatality Incidents: A Guide for Human Forensic Identification.
National Inst. of Justice, Washington, DC. Office of Justice Programs.
2005, 83p
NCJ-199758
Related Categories/Subcategories
57O (Pathology)
43D (Police, Fire, & Emergency Services)
91C (Fire Services, Law Enforcement, & Criminal Justice)
91I (Emergency Services & Planning)
Keywords: Forensic science, Fatalities, DNA analysis.

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As an agency of the U.S. Department of Commerce, the NTIS mission is to provide for the acquisition, archiving and dissemination of technological, scientific, and engineering information. Much of this permanent repository of information is the result of research conducted by federal laboratories that are members of the FLC. The collaborative effort of the FLC and NTIS ensures the perpetual availability of this vital research to American businesses and industries.

www.federallabs.org

ADA455844
Isotopic Determination of Region of Origin in Modern Peoples: Applications for Identification of U.S. War-Dead From the Vietnam Conflict.
Florida Univ., Gainesville.
2006, 295p
Related Categories/Subcategories
57 (Medicine & Biology)
92C (Social Concerns)
Keywords: United States, Variations, Determination, Teeth.

ADA476638
Crime Scene Intelligence. An Experiment in Forensic Entomology.
National Defense Intelligence Coll., Washington, DC. Center for Strategic Intelligence Research.
2006, 81p
Related Categories/Subcategories
57F (Cytology, Genetics, & Molecular Biology)
Keywords: Explosives, Entomology, Forensic analysis, War crimes, TNT.

PB94145869
Proceedings of the International Symposium on the Forensic Aspects of Mass Disasters and Crime Scene Reconstruction. Held in Quantico, Virginia on June 23-29, 1990.
Federal Bureau of Investigation Academy, Quantico, VA. Forensic Science Research and Training Center.
1990, 267p
Related Categories/Subcategories
91I (Emergency Services & Planning)
43D (Police, Fire, & Emergency Services)
70E (Research Program Administration & Technology Transfer)
57O (Pathology)
Keywords: Forensic science, Disasters, Meetings.

Wayne Strickland, Product and Program Manager at NTIS, will be speaking on June 11 at the SLA Annual Conference in San Diego, CA. Wayne will join Katrina Pescador – Director of Library and Archives at the San Diego Air & Space Museum, and Pamela Tripp-Melby of the National Library of Education, on a panel discussion moderated by CSULB Professor Lesley Farmer. The presentation is entitled, "Building Community through Value-Added Databases".

http://www.sla.org/attend/sla-annual-conference/planner/

Major Subject Categories

Category Codes*/Title	New for March Quantity**
41 Manufacturing Technology	22
43 Problem Solving Information for State & Local Governments	242
44 Health Care	187
45 Communication	36
46 Physics	193
47 Ocean Sciences & Technology	58
48 Natural Resources & Earth Sciences	234
49 Electrotechnology	34
50 Civil Engineering	99
51 Aeronautics & Aerodynamics	51
54 Astronomy & Astrophysics	57
55 Atmospheric Sciences	48
57 Medicine & Biology	501
62 Computers, Control & Information Theory	83
63 Detection & Countermeasures	35
68 Environmental Pollution & Control	290
70 Administration & Management	194
71 Materials Sciences	69
72 Mathematical Sciences	41
74 Military Sciences	242
75 Missile Technology	2
76 Navigation, Guidance, & Control	9
77 Nuclear Science & Technology	78
79 Ordnance	28
81 Combustion, Engines, & Propellants	45
82 Photography & Recording Devices	14
84 Space Technology	63
85 Transportation	167
88 Library & Information Sciences	36
89 Building Industry Technology	61
90 Government Inventions for Licensing	0
91 Urban & Regional Technology & Development	466
92 Behavior & Society	503
94 Industrial & Mechanical Engineering	65
95 Biomedical Technology & Human Factors Engineering	37
96 Business & Economics	117
97 Energy	183
98 Agriculture & Food	79
99 Chemistry	77

** Scope Notes define the specific topical content for each category;*
http://www.ntis.gov/assets/pdf/scopenotes.pdf
*** Quantities represent each new report assigned on average to 3-5 categories.*

ADA514471
Iraq Reconstruction Funds: Forensic Audits Identifying Fraud, Waste, and Abuse.
Office of the Assistant Inspector General, (DoD), Arlington, VA. Special Inspector General for Iraq Reconstruction.
2010, 24p
SIG-10-011
Related Categories/Subcategories
70B (Management Practice)
92C (Social Concerns)
Keywords: Vendors, Criminal investigations, Auditing.

ADA520247
Iraq Reconstruction Funds: Forensic Audits Identifying Fraud, Waste, and Abuse.
Office of the Assistant Inspector General, (DoD), Arlington, VA. Special Inspector General for Iraq Reconstruction.
2010, 23p
SIGIR-10-017
Related Categories/Subcategories
96 (Business & Economics)
Keywords: Information retrieval, Auditing, Finance, Iraq.

ADA545958
Forensic Audit Methodologies Used To Collect and Analyze Electronic Disbursements of Iraq Reconstruction Funds.
Office of the Assistant Inspector General, (DoD), Arlington, VA. Special Inspector General for Iraq Reconstruction.
2010, 35p
SIGIR11-006
Related Categories/Subcategories
70B (Management Practice), 96 (Business & Economics)
Keywords: Auditing, Methodology, Iraq.

ADA531607
Parts-Based Detection of AK-47s for Forensic Video Analysis.
Naval Postgraduate School, Monterey, CA.
2010, 71p
Related Categories/Subcategories
92C (Social Concerns)
72B (Algebra, Analysis Geometry, & Mathematical Logic)
63H (Radiofrequency Detection)
Keywords: Video signals, Identification, Forensic analysis.

Subject Category Codes/Classification

NTIS classifies citations into 39 subject categories. Each of these subject categories is divided into subcategories. This method provides sorting categories for both hard and soft sciences. All subject categories consist of three character codes: two numerics and one alpha character. The numeric codes represent entire categories the alpha codes are used to designate subcategories within these broad categories. The number of NTIS subcategories posted to an information product average from three to five, although there are some reports with more.

ADA564183
Final Forensic Audit Report of Iraq Reconstruction Funds.
Office of the Assistant Inspector General, (DoD), Arlington, VA. Special Inspector General for Iraq Reconstruction.
2012, 32p
SIGIR 12-017
Related Categories/Subcategories
96C (International Commerce, Marketing, & Economics)
Keywords: Financial management, Auditing, Forensic analysis.

PB2012114057
Post-Conviction DNA Testing and Wrongful Conviction.
Urban Inst., Washington, DC. Justice Policy Center.
2012, 70p
Related Categories/Subcategories
91C (Fire Services, Law Enforcement, & Criminal Justice)
43D (Police, Fire, & Emergency Services)
57F (Cytology, Genetics, & Molecular Biology)
Keywords: Deoxyribonucleic acid, Laboratory tests, Criminal investigations.

ADA548653
IED Prevention and Forensic Video Analysis.
Naval Postgraduate School, Monterey, CA. Modeling Virtual Environments and Simulation.
2010, 32p
Related Categories/Subcategories
72F (Statistical Analysis)
62B (Computer Software)
74G (Military Operations, Strategy, & Tactics)
63 (Detection & Countermeasures)
Keywords: Computer vision, Military training, Probability.

ADA538425
TOF-SIMS for Rapid Nuclear Forensics Evaluation of Uranium Oxide Particles.
Air Force Inst. of Tech., Wright-Patterson AFB, OH. School of Engineering and Management.
2011, 206p
AFIT/GNE/ENP/11-M10
Related Categories/Subcategories
99D (Basic & Synthetic Chemistry)
77B (Isotopes)
46 (Physics)
Keywords: Uranium compounds, Oxides, Nuclear proliferation.

Photo: Architect of the Capitol

ADA516711
Nuclear Forensics: Measurements of Uranium Oxides Using Time-of-Flight Secondary Ion Mass Spectrometry (TOF-SIMS).
Air Force Inst. of Tech., Wright-Patterson AFB, OH. Graduate School of Engineering and Management.
2010, 188p
AFIT/GWM/ENP/10-M03
Related Categories/Subcategories
46 (Physics)
Keywords: Mass spectrometry, Uranium, Nuclear radiation, Forensic analysis.

ADA545078
In-Depth Analysis of the Cold Boot Attack: Can It Be Used for Sound Forensic Memory Acquisition.
Defence Research and Development, Ottawa (Ontario).
2011, 118p
DRDC-VALCARTIER-TM-2010-296
Related Categories/Subcategories
92C (Social Concerns)
62D (Information Processing Standards)
Keywords: Computers, Forensic analysis, Memory devices.

ADA547905
Implications of Virtual Machine Introspection for Digital Forensics on Nonquiescent Virtual Machines.
Naval Postgraduate School, Monterey, CA.
2011, 61p
Related Categories/Subcategories
57B (Biochemistry)
Keywords: Forensic analysis, Machine tools, Reliability.

ADA548397
Extracting Forensic Artifacts from Windows O/S Memory.
Air Force Inst. of Tech., Wright-Patterson AFB, OH. School of Engineering.
2011, 382p
AFIT/EN/TR-11-02
Related Categories/Subcategories
62A (Computer Hardware)
Keywords: Computers, Files(Records), Memory devices.

ADA549288
Digital Forensics Research: The Next 10 Years.
Naval Postgraduate School, Monterey, CA.
2010, 11p
Related Categories/Subcategories
92C (Social Concerns)
62A (Computer Hardware)
Keywords: Data processing, Digital systems, Forensic analysis.

ADA549426
Forensic Carving of Network Packets and Associated Data Structures.
Naval Postgraduate School, Monterey, CA.
2011, 11p
Related Categories/Subcategories
62 (Computers, Control & Information Theory)
Keywords: Computer communications, Forensic analysis.

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Subject selections:
Agriculture and Food
Biomedical Technology and Human Factor Engineering
Building Industry Technology
Business & Economics
Civil Engineering
Communication
Computers, Control & Information Theory
Electrotechnology
Energy
Environmental Pollution and Control
Government Inventions for Licensing
Health Care
Manufacturing Technology
Materials Sciences
Ocean Sciences and Technology
Transportation

ADA549432
Creating Realistic Corpora for Security and Forensic Education.
Naval Postgraduate School, Monterey, CA. Dept. of Computer Science.
2011, 13p
Related Categories/Subcategories
62D (Information Processing Standards)
Keywords: Digital systems, Forensic analysis, Security.

ADA552992
Real-Time Interactive Secure Forensic System (RTISFS).
Defense Advanced Research Projects Agency, Arlington, VA
2011, 101p
Related Categories/Subcategories
62D (Information Processing Standards)
92D (Education, Law, & Humanities)
Keywords: Computer security, Anomalies, Counterintelligence.

ADA562672
Analysis of Forensic Super Timelines.
Air Force Inst. of Tech., Wright-Patterson AFB, OH. School of Engineering and Management.
2012, 87p
AFIT/ICW/ENG/12-04
Related Categories/Subcategories
62 (Computers, Control & Information Theory)
Keywords: Electrical networks, Forensic analysis, Artifacts.

ADA562777
Forensic Memory Analysis for Apple OS X.
Air Force Inst. of Tech., Wright-Patterson AFB, OH. Graduate School of Engineering and Management.
2012, 166p
AFIT/GCO/ENG/12-17
Related Categories/Subcategories
62B (Computer Software)
Keywords: Operating systems(Computers), Computer crimes, Memory devices.

PB2010113270
Forensics Web Services (FWS).
National Inst. of Standards and Technology (NEL), Gaithersburg, MD.
2010, 24p
NISTIR-7559
Related Categories/Subcategories
62B (Computer Software)
88B (Information Systems),
45C (Common Carrier & Satellite)
Keywords: Web services, Forensics, Computer security.

PB2011102125
Test Results for Forensic Media Preparation Tool: Logicube Omniclone 2Xi (Software version 1.53 June 19, 2009, Firmware version 9.0).
National Inst. of Standards and Technology (EEEL), Gaithersburg, MD. Office of Law Enforcement Standards.
2010, 29p
NCJ-230566
Related Categories/Subcategories
91C (Fire Services, Law Enforcement, & Criminal Justice)
43D (Police, Fire, & Emergency Services)
62B (Computer Software)
Keywords: Forensics, Observations, Test materials.

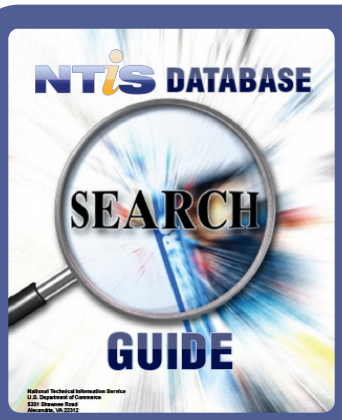
PB2011102126
Test Results for Forensic Media Preparation Tool: Drive eRazer Pro SE Bundle 12/03/2009.
National Inst. of Standards and Technology (EEEL), Gaithersburg, MD. Office of Law Enforcement Standards.
2010, 33p
NCJ-231621
Related Categories/Subcategories
91C (Fire Services, Law Enforcement, & Criminal Justice)
43D (Police, Fire, & Emergency Services)
62B (Computer Software)
Keywords: Forensics, Observations, Test materials.

PB2011102127
Test Results for Forensic Media Preparation Tool: Tableau Forensic Duplicator Model TD1 (Firmware Version 2.10).
National Inst. of Standards and Technology (EEEL), Gaithersburg, MD. Office of Law Enforcement Standards.
2010, 22p
NCJ-231622
Related Categories/Subcategories
91C (Fire Services, Law Enforcement, & Criminal Justice)
43D (Police, Fire, & Emergency Services)
62B (Computer Software)
Keywords: Forensics, Observations, Test materials.

PB2011102129
Development and Implementation of Forensic Science Research and Training Programs at the University at Albany's Northeast Regional Forensic Institute (NERFI).
National Inst. of Justice, Washington, DC. Office of Justice Programs.
2010, 255p
NCJ-232073
Related Categories/Subcategories
91C (Fire Services, Law Enforcement, & Criminal Justice)
43D (Police, Fire, & Emergency Services)
92D (Education, Law, & Humanities)
Keywords: Forensic science, Research programs, Training programs.

PB2011104744
Test Results for Mobile Device Acquisition Tool: Disk Jockey PRO Forensic Edition (Version 1.20).
National Inst. of Standards and Technology (EEEL), Gaithersburg, MD. Office of Law Enforcement Standards.
2010, 24p
NCJ-231988
Related Categories/Subcategories
62 (Computers, Control & Information Theory)
91C (Fire Services, Law Enforcement, & Criminal Justice)
43D (Police, Fire, & Emergency Services)
Keywords: Computer forensics, Forensic tools, Mobile devices.

PB2011105424
Test Results for Forensic Media Preparation Tool: Disk Jockey PRO Forensic Edition. (Version 1.20).
National Inst. of Standards and Technology (EEEL), Gaithersburg, MD. Office of Law Enforcement Standards.
Oct 2010, 24p
NCJ-231988
Related Categories/Subcategories
62 (Computers, Control & Information Theory)
91C (Fire Services, Law Enforcement, & Criminal Justice)
43D (Police, Fire, & Emergency Services)
Keywords: Computer forensics, Test methods, Law enforcement.



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PB2011108599
Combating Child Pornography: Steps Are Needed to Ensure That Tips to Law Enforcement Are Useful and Forensic Examinations Are Cost Effective.
Government Accountability Office, Washington, DC.
2011, 77p
GAO-11-334
Related Categories/Subcategories
92C (Social Concerns)
45C (Common Carrier & Satellite)
91C (Fire Services, Law Enforcement, & Criminal Justice)
43D (Police, Fire, & Emergency Services)
Keywords: Children, Pornography, Law enforcement, Computer networks.

ADA563231
Forensic Studies to Understand Project Performance.
National Aeronautics and Space Administration, Washington, DC.
2012, 24p
NPS-AM-12-C9P18R01-079
Related Categories/Subcategories
70B (Management Practice)
92C (Social Concerns)
Keywords: Forensic analysis, Decision making, Life cycles.

ADA567527
Non-Intrusive Media Forensics Framework.
Maryland Univ., College Park. Dept. of Electrical and Computer Engineering.
2012, 20p
Related Categories/Subcategories
92C (Social Concerns)
91C (Fire Services, Law Enforcement, & Criminal Justice)
43D (Police, Fire, & Emergency Services),
82B (Photographic Techniques & Equipment)
Keywords: Forensic analysis, Digital cameras, Images, Law enforcement.

DE2010984160
Multicomponent Forensic Signature Development: Interactions with Common Textiles; Mustard Precursors and Simulants. Final Report.
Sandia National Labs., Albuquerque, NM.
2010, 62p
SAND-2010-0981
Related Categories/Subcategories
57B (Biochemistry)
99D (Basic & Synthetic Chemistry)
74D (Chemical, Biological, & Radiological Warfare)
Keywords: Mustard agents, Weaponry, Chemical warfare agents.

DE20121034800
DHS National Technical Nuclear Forensics Program FY 10 Summary Report: Graduate Mentoring Assistance Program (GMAP).
Idaho National Laboratory, Idaho Falls, ID.
2011, 10p
INL/EXT-11-23605
Related Categories/Subcategories
77 (Nuclear Science & Technology)
92D (Education, Law, & Humanities)
92A (Job Training & Career Development)
70F (Public Administration & Government)
Keywords: Nuclear engineering, Forensic science, Security.

DE20121046157
Nuclear Forensics Analysis Center: Forensic Analysis to Data Interpretation.
Savannah River National Lab., Aiken, SC.
2010, 10p
Related Categories/Subcategories
77 (Nuclear Science & Technology)
Keywords: Nuclear forensics, Capabilities, Contamination.

PB2006100570
Fingerprint Analysis of Contaminant Data: A Forensic Tool for Evaluating Environmental Contamination.
Lockheed Martin Environmental Systems and Technologies, Las Vegas, NV.
2004, 28p
EPA/600/5-04/054
Related Categories/Subcategories
68 (Environmental Pollution & Control)
Keywords: Contaminants, Detection, Plumes, Environmental monitoring.

PB2010113220
Inspection Methods and Techniques to Determine Non Visible Corrosion of Prestressing Strands in Concrete Bridge Components. Task 3: Forensic Evaluation and Rating Methodology.
Pennsylvania Dept. of Transportation, Harrisburg. Bureau of Planning and Research. /Lehigh Univ., Bethlehem, PA. Center for Advanced Technology for Large Structural Systems.
2010, 202 p
ATLSS-09-10
Related Categories/Subcategories
50A (Highway Engineering)
50C (Construction Equipment, Materials, & Supplies)
Keywords: Bridges, Prestressed concrete, Corrosion prevention.

PB2012110974
Test Results for Forensic Media Preparation Tool: dc3dd: Version 7.0.0.
National Inst. of Justice, Washington, DC.
2011, 27p
NCJ-236225
Related Categories/Subcategories
43D (Police, Fire, & Emergency Services)
91C (Fire Services, Law Enforcement, & Criminal Justice)
62B (Computer Software)
Keywords: Forensics, Observations, Test materials.

PB2010114444
Forensic Testing of Stone Matrix Asphalt Rubber Material.
Rutgers - The State Univ., Piscataway, NJ. Center for Advanced Infrastructure and Transportation. / New Jersey Dept. of Transportation, Trenton.
2010, 27p
SMAR-RU0473
Related Categories/Subcategories
50A (Highway Engineering)
50C (Construction Equipment, Materials, & Supplies)
85H (Road Transportation)
43G(Transportation)
Keywords: Stone matrix asphalt rubber(SMAR), Forensic testing.

PB2011102130
Application of Laser-induced Breakdown Spectroscopy to Forensic Science: Analysis of Paint and Glass Samples.
National Inst. of Justice, Washington, DC. Office of Justice Programs.
2010, 44p
NCJ-232135
Related Categories/Subcategories
91C (Fire Services, Law Enforcement, & Criminal Justice)
43D (Police, Fire, & Emergency Services)
46C (Optics & Lasers)
99F (Physical & Theoretical Chemistry
Keywords: Forensics, Paint, Glass, Lasers.

PB2012100050
Regional Computer Forensic Laboratory Annual Report for Fiscal Year 2010.
Regional Computer Forensic Laboratory National Program Office, Quantico, VA.
2010, 68p
Related Categories/Subcategories
70F (Public Administration & Government)
91C (Fire Services, Law Enforcement, & Criminal Justice)
62 (Computers, Control & Information Theory)
92C (Social Concerns)
88B (Information Systems)
Keywords: Federal Bureau of Investigation, Computer crime, Computer forensics.

PB2012110973
Test Results for Digital Data Acquisition Tool: Tableau TD1 Forensic Duplicator; Firmware Version 2.34 Feb. 17, 2011.
National Inst. of Justice, Washington, DC.
2011, 60p
NCJ-236223
Related Categories/Subcategories
62 (Computers, Control & Information Theory)
43D(Police, Fire, & Emergency Services)
91C (Fire Services, Law Enforcement, & Criminal Justice)
Keywords: Computer forensics, Digital data, Law enforcement.

PB2012113307
Fire Dynamics and Forensic Analysis of Liquid Fuel Fires.
Hughes Associates, Inc., Baltimore, MD.
2011, 237p
Related Categories/Subcategories
91C (Fire Services, Law Enforcement, & Criminal Justice)
43D (Police, Fire, & Emergency Services)
92 (Behavior & Society)
Keywords: Arson investigations, Forensic analysis, Liquid fuel fires.

PB2013101251
Forensic Investigation Techniques for Inspecting Electrical Conductors Involved in Fire.
Combustion Science and Engineering, Inc., Columbia, MD.
2012, 218p
TR-2010-DN-BX-K246
Related Categories/Subcategories
49 (Electrotechnology)
89G (Construction Materials, Components, & Equipment)
50C (Construction Equipment, Materials, & Supplies)
Keywords: Forensic investigation, Electrical conductors, Electric fires.

ADA547422
Forensic Spoorology: Seeing and Understanding Human Behavior through Observation, Classification and Interpretation of Spoor Evidence.
Army Command and General Staff Coll., Fort Leavenworth, KS.
2011, 208p
Related Categories/Subcategories
74 (Military Sciences)
57 (Medicine & Biology)
Keywords: Human behavior, Tracking, Gait analysis.

ADA151971/9
Forensic Psychiatry, A Brief Introduction.
Naval Justice School, Newport, RI.
1985, 47p
Related Categories/Subcategories
57T (Psychiatry)
92D (Education, Law, & Humanities)
Keywords: Litigation, Psychiatry, Military personnel, Legal defense.

PB2007110427
Education and Training in Fraud and Forensic Accounting: A Guide for Educational Institutions, Stakeholder Organizations, Faculty, and Students.
West Virginia Univ., Morgantown.
2007, 70p
Related Categories/Sub-Categories
92D (Education, Law, & Humanities)
91C (Fire Services, Law Enforcement, & Criminal Justice)
Keywords: Fraud, Curriculum development, Curricula.

ADA560010
Detecting Runtime Anomalies in AJAX Applications through Trace Analysis.
Maryland Univ., College Park. Dept. of Computer Science.
2011, 10p
CS-TR-4989
Related Categories/Sub-Categories
62 (Computers, Control & Information Theory)
Keywords: Computer networks, Anomalies, Client server systems.

DE2002793930
Nonproliferation, Arms Control, and International Security at LLNL.
Lawrence Livermore National Lab., CA.
2002, 102p
Related Categories/Sub-Categories
92E (International Relations)
74D (Chemical, Biological, & Radiological Warfare)
74H (Nuclear Warfare)
74F (Military Intelligence)
63E (Nuclear Explosion Detection)
Keywords: Lawrence Livermore Laboratory, Arms control,Nonproliferation.

ADA399878
Electronic Crime Scene Investigation: A Guide for First Responders.
Booz-Allen and Hamilton, Inc., McLean, VA.
2001, 94p
Related Categories/Sub-Categories
92C (Social Concerns)
91C (Fire Services, Law Enforcement, & Criminal Justice)
43D (Police, Fire, & Emergency Services)
49 (Electrotechnology),
62 (Computers, Control & Information Theory)
Keywords: Electronic equipment, Criminal investigations, Computer programs.

PB2000103581
Crime Scene Investigation: A Guide for Law Enforcement.
National Inst. of Justice, Washington, DC.
2000, 58p
NCJ-178280
Related Categories/Sub-Categories
91C (Fire Services, Law Enforcement, & Criminal Justice)
Keywords: Law enforcement, Crime scence, Evidence preservation.

FREE DOWNLOAD ADA529783
3D Virtual Images and Forensic Identification Training.
Medical Group (81st), Keesler Air Force Base, MS. Clinical Research Lab.
2010, 4p
Related Categories/Subcategories
92C (Social Concerns)
57E (Clinical Medicine)
Keywords: Dentistry, Forensic analysis, Training.

FREE DOWNLOAD ADA449737
Mass Spectrometric Forensics of Explosives Using a Remotely Piloted Small Helicopter.
Edgewood Chemical Biological Center, Aberdeen Proving Ground, MD.
2005, 4p
Related Categories/Subcategories
57U (Public Health & Industrial Medicine)
41I (Job Environment)
79A (Ammunition, Explosives, & Pyrotechnics)
51C (Aircraft)
46 (Physics)
Keywords: Gas detectors, Explosive gases, Symposia.

FREE DOWNLOAD DE2007902618
Importance of International Technical Nuclear Forensics to Deter Illicit Trafficking.
Lawrence Livermore National Lab., CA.
2007, 4p
UCRL-PROC-227759
Related Categories/Subcategories
74D (Chemical, Biological, & Radiological Warfare)
77 (Nuclear Science & Technology)
74H (Nuclear Warfare)
91C (Fire Services, Law Enforcement, & Criminal Justice)
92E (International Relations)
Keywords: Radioactive materials, Nuclear materials, Data analysis.

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Title Index - For NTRL Users

The following is a list of the titles included in this month's issue, without links to the NTIS Web site. The list is in alphabetical order by title.

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PB2011102130	91	Application of Laser-induced Breakdown Spectroscopy to Forensic Science: Analysis of Paint and Glass Samples.
PB2013101549	91	Audit of the Federal Bureau of Investigation Laboratory's Forensic DNA Case Backlog.
PB2011108599	92	Combating Child Pornography: Steps Are Needed to Ensure That Tips to Law Enforcement Are Useful and Forensic Examinations Are Cost Effective.
ADA549432	62	Creating Realistic Corpora for Security and Forensic Education.
ADA476638	91	Crime Scene Intelligence. An Experiment in Forensic Entomology.
PB2011102129	91	Crime Scene Investigation: A Guide for Law Enforcement.
PB2013100695	99	Detecting Runtime Anomalies in AJAX Applications through Trace Analysis.
DE20121034800	77	Development and Implementation of Forensic Science Research and Training Programs at the University at Albany's Northeast Regional Forensic Institute (NERFI).
ADA549288	92	Development of an Expert System for Automated Forensic Mitochondrial DNA Data Analysis.
ADA548397	62	DHS National Technical Nuclear Forensics Program FY 10 Summary Report: Graduate Mentoring Assistance Program (GMAP).
ADA564183	96	Digital Forensics Research: The Next 10 Years.
PB2013100605	91	Education and Training in Fraud and Forensic Accounting: A Guide for Educational Institutions, Stakeholder Organizations, Faculty, and Students.
PB2006100570	68	Electronic Crime Scene Investigation: A Guide for First Responders.
PB2012113307	91	Extracting Forensic Artifacts from Windows O/S Memory.
ADA553107	92	Final Forensic Audit Report of Iraq Reconstruction Funds.
ADA545958	70	Final Reports Submitted Under Forensic DNA Backlog Reduction Program Fiscal Year 2010 Awards .
ADA549426	62	Fingerprint Analysis of Contaminant Data: A Forensic Tool for Evaluating Environmental Contamination.
PB2013101251	49	Fire Dynamics and Forensic Analysis of Liquid Fuel Fires.
ADA562777	62	Forensic Analysis of Human DNA from Samples Contamined with Bioweapons Agents.
ADA151971/9	57	Forensic Audit Methodologies Used To Collect and Analyze Electronic Disbursements of Iraq Reconstruction Funds.
ADA547422	74	Forensic Carving of Network Packets and Associated Data Structures.
ADA563231	70	Forensic Investigation Techniques for Inspecting Electrical Conductors Involved in Fire.
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PB2013100408	57	Forensic Studies to Understand Project Performance.
ADA547905	57	Forensic Testing of Stone Matrix Asphalt Rubber Material.
ADA545078	92	Forensics Web Services (FWS).
PB2010113220	50	IED Prevention and Forensic Video Analysis.
ADA514471	70	Implementation of a DNA Triage and Analysis System Dedicated to increasing the Throughput of High Volume Crimes in a Forensic Laboratory.
ADA520247	96	Implications of Virtual Machine Introspection for Digital Forensics on Nonquiescent Virtual Machines.
ADA455844	57	In-Depth Analysis of the Cold Boot Attack: Can It Be Used for Sound Forensic Memory Acquisition.
PB2008114629	57	Inspection Methods and Techniques to Determine Non Visible Corrosion of Prestressing Strands in Concrete Bridge Components. Task 3: Forensic Evaluation and Rating Methodology.
DE2010984160	57	Iraq Reconstruction Funds: Forensic Audits Identifying Fraud, Waste, and Abuse.
ADA567527	92	Iraq Reconstruction Funds: Forensic Audits Identifying Fraud, Waste, and Abuse.

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ADA516711	46	Mass Fatality Incidents: A Guide for Human Forensic Identification.
ADA531607	92	Multicomponent Forensic Signature Development: Interactions with Common Textiles; Mustard Precursors and Simulants. Final Report.
PB94145869	91	Non-Intrusive Media Forensics Framework.
ADA552992	62	Nonproliferation, Arms Control, and International Security at LLNL.
PB2012100050	70	Nuclear Forensics Analysis Center: Forensic Analysis to Data Interpretation.
PB2010115555	91	Nuclear Forensics: Measurements of Uranium Oxides Using Time-of-Flight Secondary Ion Mass Spectrometry (TOF-SIMS).
PB2012113255	92	Parts-Based Detection of AK-47s for Forensic Video Analysis.
PB2012114057	91	Post-Conviction DNA Testing and Wrongful Conviction.
PB2012113254	92	Proceedings of the International Symposium on the Forensic Aspects of Mass Disasters and Crime Scene Reconstruction. Held in Quantico, Virginia on June 23-29, 1990.
PB2012113306	92	Real-Time Interactive Secure Forensic System (RTISFS).
PB2013101468	91	Regional Computer Forensic Laboratory Annual Report for Fiscal Year 2010.
PB2008104340	57	Review of the Federal Bureau of Investigation Laboratory's Forensic DNA Case Backlog.
PB2013100406	57	Role and Impact of Forensic Evidence in the Criminal Justice Process.
PB2012110973	62	Role and Impact of Forensic Evidence in the Criminal Justice System. Executive Summary.
PB2012110974	43	Role and Impact of Forensic Evidence in the Criminal Justice System. Final Report, November 2011.
PB2011105424	62	Summary of Research Questions Identified Through the Sexual Assault Medical Forensic Examination Research Forum. Held in Washington, DC on March 28-29, 2012.
PB2011102126	91	System, Apparatus and Method for Forensic Facial Approximation.
PB2011102125	91	Taq Mutants Engineered for Forensics..
PB2011102127	91	Test Results for Digital Data Acquisition Tool: Tableau TD1 Forensic Duplicator; Firmware Version 2.34 Feb. 17, 2011.
PB2011104744	62	Test Results for Forensic Media Preparation Tool: dc3dd: Version 7.0.0.
ADA538425	99	Test Results for Forensic Media Preparation Tool: Disk Jockey PRO Forensic Edition. (Version 1.20).
PB2007110427	92	Test Results for Forensic Media Preparation Tool: Drive eRazer Pro SE Bundle 12/03/2009.
ADA560010	62	Test Results for Forensic Media Preparation Tool: Logicube Omniclone 2Xi (Software version 1.53 June 19, 2009, Firmware version 9.0).
DE2002793930	92	Test Results for Forensic Media Preparation Tool: Tableau Forensic Duplicator Model TD1 (Firmware Version 2.10).
ADA399878	92	Test Results for Mobile Device Acquisition Tool: Disk Jockey PRO Forensic Edition (Version 1.20).
PB2000103581	91	TOF-SIMS for Rapid Nuclear Forensics Evaluation of Uranium Oxide Particles.