



NTIS Technical Reports Newsletter

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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U.S. Department of Commerce
5301 Shawnee Road
Alexandria, VA 22312

VOLUME 2
NUMBER 11
MAY 15, 2010

Category 63 Detection & Countermeasures

ADA500795
Defining and Deterring Cyber War.
Army War Coll., Carlisle Barracks, PA.
2009, 40p
Related Categories/Sub-categories:
63B (Electromagnetic & Acoustic Countermeasures)

ADA501124
Risk of Using Past to Predict Future: A Case Study of Jamming RCIEDs.
Naval Postgraduate School, Monterey, CA.
2009, 95p
Related Categories/Sub-categories:
63B (Electromagnetic & Acoustic Countermeasures)
79A (Ammunition, Explosives, & Pyrotechnics)

ADA501551
Improving Situational Awareness in the Counter-IED Fight with the Utilization of Unmanned Sensor Systems.
Naval Postgraduate School, Monterey, CA.
2009, 127p
Related Categories/Sub-categories:
63F (Optical Detection)
79A (Ammunition, Explosives, & Pyrotechnics)

ADA501560
Successive Interference Cancellation in Rake Receiver for CDMA Signals.
Naval Postgraduate School, Monterey, CA.
2009, 77p
Related Categories/Sub-categories:
63H (Radiofrequency Detection)
45C (Common Carrier & Satellite)

ADA501582
Ultraviolet Resonance Raman Enhancements in the Detection of Explosives.
Naval Postgraduate School, Monterey, CA.
2009, 100p
LLNL-TH-413751
Related Categories/Sub-categories:
63F (Optical Detection)

ADA502947
Calibration of an Orthogonal Cluster of Magnetic Sensors.
Army Research Lab., Aberdeen Proving Ground, MD. Weapons and Materials Research Directorate.
2009, 34p
ARL-TR-4868
Related Categories/Sub-categories:
63D (Magnetic Detection)

ADA501591
Polarimetric Imaging for the Detection of Disturbed Surfaces.
Naval Postgraduate School, Monterey, CA.
2009, 77p
Related Categories/Sub-categories:
63H (Radiofrequency Detection)
79A (Ammunition, Explosives, & Pyrotechnics)
82B (Photographic Techniques & Equipment)

ADA501715
Generation of Mid-Wave Infrared Signature Using Microradiating Devices for Vehicle Mounted Identification Friend or Foe Applications.
Naval Postgraduate School, Monterey, CA.
2009, 116p
Related Categories/Sub-categories:
63C (Infrared & Ultraviolet Detection)
63H (Radiofrequency Detection)

ADA501786
Radar Imaging for Moving Targets.
Naval Postgraduate School, Monterey, CA.
2009, 91p
Related Categories/Sub-categories:
62 (Computers, Control & Information Theory)
63H (Radiofrequency Detection)

ADA502075
Does the MRAP Meet the US Army's Needs as the Primary Method of Protecting Troops from the IED Threat.
Army Command and General Staff Coll., Fort Leavenworth, KS.
2009, 90p
Related Categories/Sub-categories:
63B (Electromagnetic & Acoustic Countermeasures)
79A (Ammunition, Explosives, & Pyrotechnics)
79B (Armor)
79D (Combat Vehicles)

ADA502709
Radar Imaging and Target Identification.
Rensselaer Polytechnic Inst., Troy, NY. Dept. of Mathematical Sciences.
2009, 51p
Related Categories/Sub-categories:
63H (Radiofrequency Detection)



Category 63 Detection & Countermeasures

PB2010100302

Measurements to Support Public Safety Communications: Attenuation and Variability of 750 MHz Radio Wave Signals in Four Large Building Structures.

National Inst. of Standards and Technology (EEL), Boulder, CO.

2009, 136p

NIST TN-1552

Related Categories/Sub-categories:

45C (Common Carrier & Satellite)

63 (Detection & Countermeasures)

PB2010100436

Finding Trapped Miners by Using a Prototype Seismic Recording System Made From Music-Recording Hardware.

Geological Survey, Reston, VA.

2009, 38p

USGS-OFR-2009-1095

Related Categories/Sub-categories:

48A (Mineral Industries)

63I (Seismic Detection)

PB2010100597

Use of Infrared Imaging, a Robust Matching Engine, and Associated Algorithms to Enhance Identification of Both 2D and 3D Impressions.

National Criminal Justice Reference Service.

2009, 45p

NCJ-227933

Related Categories/Sub-categories:

62 (Computers, Control & Information Theory)

63C (Infrared & Ultraviolet Detection)

72 (Mathematical Sciences)

79G (Guns)

Major Subject Categories

Category Codes*/Title	New for April Quantity**
41 Manufacturing Technology	49
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45 Communication	117
46 Physics	270
47 Ocean Sciences & Technology	158
48 Natural Resources & Earth Sciences	334
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71 Materials Sciences	79
72 Mathematical Sciences	125
74 Military Sciences	587
75 Missile Technology	9
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79 Ordnance	92
81 Combustion, Engines, & Propellants	43
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84 Space Technology	45
85 Transportation	235
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90 Government Inventions for Licensing	7
91 Urban & Regional Technology & Development	284
92 Behavior & Society	559
94 Industrial & Mechanical Engineering	107
95 Biomedical Technology & Human Factors	55
96 Business & Economics	465
97 Energy	219
98 Agriculture & Food	375
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* For a listing of Scope Notes that defines the specific topical content for each category, go to <http://www.ntis.gov/pdf/scopenotes.pdf>

** Quantities represent each new report assigned on average to 3-5 categories.

PB2010101183

Evaluation of Image Quality of Thermal Imagers used by the Fire Service. NIST Technical Note 1630.

National Inst. of Standards and Technology, Gaithersburg, MD. Building Fire Research Laboratory.

2009, 36p

Related Categories/Sub-categories:

63C (Infrared & Ultraviolet Detection)

82B (Photographic Techniques & Equipment)

89 (Building Industry Technology)

PB2010101536

Evaluation of Ground-Motion Modeling Techniques for Use in Global Shake Map--A Critique of Instrumental Ground-Motion Prediction Equations, Peak Ground Motion to Macroseismic Intensity Conversions and Macroseismic Intensity Predictions in Different Tectonic Settings.

Geological Survey.

2009, 122p

USGS-OFR-2009-1047

Related Categories/Sub-categories:

48F (Geology & Geophysics)

48I (Cartography)

63I (Seismic Detection)

72B (Algebra, Analysis, Geometry, & Mathematical Logic)

PB2010103734

1D Spectral Image Validation/Verification Metric for Fingerprints.

National Inst. of Standards and Technology (ITL), Gaithersburg, MD. Information Access Div.

2009, 50p

NISTIR-7599

Related Categories/Sub-categories:

63G (Personnel Detection)

70C (Management Information Systems)

95C (Biomedical Instrumentation & Bioengineering)

Category 74 Military Sciences

ADA511524

Risk Propensity, Risk Perception, and Sensation Seeking in US Army Soldiers: A Preliminary Study of a Risk Assessment Task Battery.

Army Aeromedical Research Lab., Fort Rucker, AL.

2010, 47p

USAARL-2010-02

Related Categories/Sub-categories:

70D (Personnel Management, Labor Relations & Manpower Studies)

74 (Military Sciences)

92A (Job Training & Career Development)

92B (Psychology)

ADA511551

ASA (ALT) Design, Develop, Deliver, Dominate.

Assistant Secretary of the Army (Acquisition Logistics and Technology), Washington, DC.

2010, 54p

Related Categories/Sub-categories:

74E (Logistics, Military Facilities, & Supplies)

ADA511960

International Terrorism and Transnational Crime: Security Threats, U.S. Policy, and Considerations for Congress. Updated January 5, 2010.

Congressional Research Service

2010, 57p

CRS-R41004

Related Categories/Sub-categories:

74G (Military Operations, Strategy, & Tactics)

92C (Social Concerns)

92E (International Relations)

ADA512750

Private Security Contractors in Iraq and Afghanistan: Legal Issues.

Congressional Research Service.

2010, 34p

CRS-R40991

Related Categories/Sub-categories:

70D (Personnel Management, Labor Relations & Manpower Studies)

88D (Personnel)

92A (Job Training & Career Development)

92C (Social Concerns)

92E (International Relations)

ADA512865

Hamman Al Alil Division Training Center Mosul, Iraq.

Office of the Assistant Inspector General, (DoD), Arlington, VA. Special Inspector General for Iraq Reconstruction.

2010, 44p

SIGIR-PA-09-174

Related Categories/Sub-categories:

74E (Logistics, Military Facilities, & Supplies)

92A (Job Training & Career Development)

96 (Business & Economics)

ADA512891

National Guard Posture Statement 2010. America's Indispensable Force.

National Guard Bureau, Arlington, VA.

2010, 37p

Related Categories/Sub-categories:

74 (Military Sciences)

ADA512940

Comprehensive Nuclear-Test-Ban Treaty: Background and Current Developments. Updated January 6, 2010.

Congressional Research Service.

2010, 50p

CRS-RL33548

Related Categories/Sub-categories:

74H (Nuclear Warfare)

77D (Nuclear Explosions & Devices)

ADA513056

Iran: U.S. Concerns and Policy Responses.

Congressional Research Service.

2010, 64p

CRS-R32048

Related Categories/Sub-categories:

74H (Nuclear Warfare)

92E (International Relations)

ADA513061

North Korea: Terrorism List Removal. Updated January 6, 2010.

Congressional Research Service.

2010, 33p

CRS-RL30613

Related Categories/Sub-categories:

74G (Military Operations, Strategy, & Tactics)

77H (Reactor Engineering & Nuclear Power Plants)

92E (International Relations)

ADA513072

Human Dimensions of Strategic Leadership: A Selected Bibliography.

Army War Coll., Carlisle Barracks, PA.

2010, 31p

Related Categories/Sub-categories:

70F (Public Administration & Government)

74 (Military Sciences)

88E (Reference Materials)

ADA513074

Report of the Defense Science Board 2008 Summer Study on Capability Surprise. Volume 2: Supporting Papers.

Defense Science Board, Washington, DC.

2010, 223p

Related Categories/Sub-categories:

74G (Military Operations, Strategy, & Tactics)

ADA513143

Protecting the Force: Lessons from Fort Hood. Department of Defense.

2010, 87p

Related Categories/Sub-categories:

41I (Job Environment)

44G (Environmental & Occupational Factors)

57U (Public Health & Industrial Medicine)

70B (Management Practice)

74 (Military Sciences)

ADA513157

Security Sector Reform: A Case Study Approach to Transition and Capacity Building.

Army War Coll. Strategic Studies Institute.

2010, 120p

ISBN 1-58487-418-X

Related Categories/Sub-categories:

74G (Military Operations, Strategy, & Tactics)

92C (Social Concerns)

92E (International Relations)

ADA513158

Towards a U.S. Army Officer Corps Strategy for Success: Retaining Talent.

Army War Coll. Strategic Studies Inst., Carlisle Barracks, PA.

2010, 72p

ISBN 1-58487-425-2

Related Categories/Sub-categories:

70D (Personnel Management, Labor Relations & Manpower Studies)

74 (Military Sciences)

92A (Job Training & Career Development)

ADA513515

Yemen: Background and U.S. Relations. Updated January 13, 2010.

Congressional Research Service.

2010, 34p

CRS-RL34170

Related Categories/Sub-categories:

74G (Military Operations, Strategy, & Tactics)

48 (Natural Resources & Earth Sciences)

92E (International Relations)

ADA513517

Haiti Earthquake: Crisis and Response. Updated January 15, 2010.

Congressional Research Service.

2010, 31p

CRS-7-5700

CRS-R41023

Related Categories/Sub-categories:

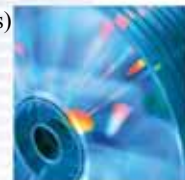
57U (Public Health & Industrial Medicine)

74E (Logistics, Military Facilities, & Supplies)

91I (Emergency Services & Planning)

92C (Social Concerns)

92E (International Relations)



Category 74 Military Sciences

ADA513522

Palestinians: Background and U.S. Relations.
Updated January 8, 2010.

Congressional Research Service.

2010, 55p

CRS-7-5700

CRS-RL34074

Related Categories/Sub-categories:

74G (Military Operations, Strategy, & Tactics)

92 (Behavior & Society)

ADA513761

Command and Control for Joint Air Operations.

Joint Chiefs of Staff, Washington, DC.

2010, 142p

JP3-30

Related Categories/Sub-categories:

45C (Common Carrier & Satellite)

70D (Personnel Management, Labor Relations
& Manpower Studies)

74 (Military Sciences)

76D (Navigation Systems)

92A (Job Training & Career Development)

ADA513763

Defense Industrial Base Assessment: Counterfeit
Electronics.

Bureau of Industry and Security, Washington,
DC.

2010, 253p

Related Categories/Sub-categories:

41G (Quality Control & Reliability)

49 (Electrotechnology)

74 (Military Sciences)

ADA513830

Veterans Medical Care: FY2010 Appropriations.

Congressional Research Service.

2010, 45p

CRS-R40737

Related Categories/Sub-categories:

44 (Health Care)

70D (Personnel Management, Labor Relations
& Manpower Studies)

74 (Military Sciences)

92A (Job Training & Career Development)

ADA513713

Quadrennial Defense Review Report.

Department of Defense.

2010, 128p

Related Categories/Sub-categories:

74 (Military Sciences)

PB2010103888

VA Health Care: Improved Oversight and
Compliance Needed for Physician Credentialing
and Privileging Processes.

Government Accountability Office.

2010, 55p

GAO-10-26

Related Categories/Sub-categories:

44B (Agency Administrative & Financial
Management)

44J (Health Delivery Plans, Projects &
Studies)

57E (Clinical Medicine)

70D (Personnel Management, Labor Relations
& Manpower Studies)

70F (Public Administration & Government)

74E (Logistics, Military Facilities, & Supplies)

PB2010104653

Long-Term Implications of the Fiscal Year 2010
Defense Budget.

Congressional Budget Office.

2010, 41p

CBO/PUB-4069

Related Categories/Sub-categories:

70F (Public Administration & Government)

74E (Logistics, Military Facilities, & Supplies)

PB2010104654

Afghanistan and Pakistan Regional Stabilization
Strategy.

Department of State.

2010, 39p

Related Categories/Sub-categories:

70F (Public Administration & Government)

74G (Military Operations, Strategy, & Tactics)

92E (International Relations)

PB2010104997

International Terrorism and Transnational Crime:
Security Threats, U.S. Policy, and Considerations
for Congress.

Congressional Research Service.

2010, 56p

LCCRS-R-41004

See also PB2009-100986.

Related Categories/Sub-categories:

43D (Police, Fire, & Emergency Services)

74 (Military Sciences)

91C (Fire Services, Law Enforcement, &
Criminal Justice)

92C (Social Concerns)

92E (International Relations)

PB2010105017

Electronic Health Records: DOD and VA
Interoperability Efforts Are Ongoing; Program
Office Needs to Implement Recommended
Improvements.

Government Accountability Office.

2010, 31p

GAO-10-332

Related Categories/Sub-categories:

62 (Computers, Control & Information Theory)

70B (Management Practice)

74 (Military Sciences)

88B (Information Systems)

96 (Business & Economics)

PB2010105082

Combating Nuclear Terrorism: Actions Needed to
Better Prepare to Recover from Possible Attacks
Using Radiological or Nuclear Materials.

Government Accountability Office.

2010, 52p

GAO-10-204

Related Categories/Sub-categories:

74D (Chemical, Biological, & Radiological
Warfare),

68G (Environmental Health & Safety)

91I (Emergency Services & Planning)

PB2010105089

Defense Acquisitions: Missile Defense Transition
Provides Opportunity to Strengthen Acquisition
Approach.

Government Accountability Office.

2010, 61p

GAO-10-311

Related Categories/Sub-categories:

70E (Research Program Administration &
Technology Transfer)

70F (Public Administration & Government)

74E (Logistics, Military Facilities, & Supplies)

PB2010106639

Taiwan: Major U.S. Arms Sales Since 1990,
February 16, 2010.

Congressional Research Service.

2010, 66p

Related Categories/Sub-categories:

74E (Logistics, Military Facilities, & Supplies)

92 (Behavior & Society)

96 (Business & Economics)

PB2010106641

U.S. Nuclear Cooperation with India: Issues for
Congress, February 4, 2010.

Congressional Research Service.

2010, 49p

Related Categories/Sub-categories:

74H (Nuclear Warfare),

77G (Radioactive Wastes &
Radioactivity)

92C (Social Concerns)

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)



Category 74 Military Sciences

PB2010106815

Annual Threat Assessment of the U.S. Intelligence Community for the Senate Select Committee on Intelligence.

Director of National Intelligence.
2010, 47p

ATA-FEB-2010-IC

Related Categories/Sub-categories:

74F (Military Intelligence)

74G (Military Operations, Strategy, & Tactics)

92C (Social Concerns)

91I (Emergency Services & Planning)

PB2010107031

Al Qaeda and Affiliates: Historical Perspective, Global Presence, and Implications for U.S. Policy. CRS Report for Congress.

Congressional Research Service.

2010, 32p

CRS-R41070

Related Categories/Sub-categories:

74G (Military Operations, Strategy, & Tactics)

92C (Social Concerns)

92E (International Relations)

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 one to five, although there are some reports with more.

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.

Category 75 Missile Technology

ADA494698

Missile Lab User's Guide.

Army Aviation and Missile Command, Redstone Arsenal, AL.

2009, 84p

TR-AMR-SS-09-04

Related Categories/Sub-categories:

62B (Computer Software)

75B (Missile Guidance & Control Systems)

75E (Missile Trajectories & Reentry Dynamics)

ADA494849

Conventional Warheads for Long-Range Ballistic Missiles: Background and Issues for Congress. (Updated January 26, 2009).

Congressional Research Service.

2009, 35p

CRS-7-5700

CRS-RL33067

Related Categories/Sub-categories:

74D (Chemical, Biological, & Radiological Warfare)

75 (Missile Technology)

96 (Business & Economics)

ADA494902

Missile Defense in Europe- Who Decides.

Army War Coll., Carlisle Barracks, PA.

2009, 37p

Related Categories/Sub-categories:

74B (Antimissile Defense Systems)

75 (Missile Technology)

92E (International Relations)

ADA496349

U.S. Strategic Nuclear Forces: Background, Developments, and Issues. (Updated February 23, 2009).

Congressional Research Service.

2009, 31p

CRS-RL33640

Related Categories/Sub-categories:

74H (Nuclear Warfare)

75G (Surface-Launched Missiles)

ADA497694

Strategic Arms Control After START: Issues and Options. (Updated April 03, 2009).

Congressional Research Service.

2009, 31p

CRS-R40084

Related Categories/Sub-categories:

74H (Nuclear Warfare)

75 (Missile Technology)

92 (Behavior & Society)

ADA498106

Missile Defense: The Need for a Single Development Process.

Army War Coll., Carlisle Barracks, PA.

2009, 30p

Related Categories/Sub-categories:

74 (Military Sciences)

75 (Missile Technology)

ADA500116

Environmental Assessment for the Space Complex-5 SCOUT Launcher Relocation, Vandenberg Air Force Base, California.

Civil Engineer Squadron (30TH) Vandenberg AFB CA Environmental Flight.

2009, 30p

Related Categories/Sub-categories:

68G (Environmental Health & Safety)

75 (Missile Technology)

ADA500357

U.S. Strategic Nuclear Forces: Background, Developments, and Issues.

Congressional Research Service

2009, 32p

Related Categories/Sub-categories:

74H (Nuclear Warfare)

75 (Missile Technology)

ADA500819

Options for Deploying Missile Defenses in Europe.

Congressional Budget Office.

2009, 84p

Related Categories/Sub-categories:

75 (Missile Technology)

92E (International Relations)

ADA501144

Impact of the Type 094 Ballistic Missile Submarine on China's Nuclear Policy.

Naval Postgraduate School, Monterey, CA.

2009, 124p

Related Categories/Sub-categories:

47A (Marine Engineering)

74H (Nuclear Warfare)

75F (Missile Warheads & Fuses)

PB2009114177

U.S. Strategic Nuclear Forces: Background, Developments, and Issues (July 14, 2009).

Congressional Research Service.

2009, 32p

Related Categories/Sub-categories:

74H (Nuclear Warfare)

75 (Missile Technology)

PB2010101451

Final Environmental Assessment for Jacksonville Aviation Authority Launch Site Operator License at Cecil Field, Florida.

Federal Aviation Administration.

2009, 189p

Related Categories/Sub-categories:

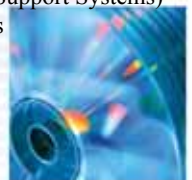
43F (Environment)

68 (Environmental Pollution & Control)

75C (Missile Launching & Support Systems)

84E (Space Launch Vehicles

& Support Equipment)



Category 76 Navigation, Guidance & Control

ADA499487

Deeply-Integrated Feature Tracking for Embedded Navigation.

Air Force Inst. of Tech., Wright-Patterson AFB, OH. School of Engineering.

2009, 92p

AFIT/GE/ENG/09-17

Related Categories/Sub-categories:

- 51C (Aircraft)
- 72F (Statistical Analysis)
- 76D (Navigation Systems)

ADA499540

Fusion of Inertial Sensors and Orthogonal Frequency Division Multiplexed (OFDM) Signals of Opportunity for Unassisted Navigation.

Air Force Inst. of Tech., Wright-Patterson AFB, OH. Graduate School of Engineering and Management.

2009, 65p

AFIT/GE/ENG/09-11

Related Categories/Sub-categories:

- 76D (Navigation Systems)

ADA499623

Failure Detection of a Pseudolite-Based Reference System Using Residual Monitoring.

Air Force Inst. of Tech., Wright-Patterson AFB, OH. Graduate School of Engineering and Management.

2009, 116p

AFIT/GE/ENG/09-08

Related Categories/Sub-categories:

- 76D (Navigation Systems)

ADA499625

Performance Enhancements of Ranging Radio Aided Navigation.

Air Force Inst. of Tech., Wright-Patterson AFB, OH. Graduate School of Engineering and Management.

2009, 76p

AFIT/GE/ENG/09-15

Related Categories/Sub-categories:

- 63A (Acoustic Detection)
- 76D (Navigation Systems)

ADA500331

Host-Based Multivariate Statistical Computer Operating Process Anomaly Intrusion Detection System (PAIDS).

Air Force Inst. of Tech., Wright-Patterson AFB, OH. School of Engineering and Management.

2009, 143p

AFIT/GOR/ENS/09-15

Related Categories/Sub-categories:

- 62B (Computer Software)
- 76D (Navigation Systems)

ADA500534

Multiresolution Experiment to Enable Impacts of High Fidelity Environments on Unmanned Ground Vehicle Representation.

Military Academy, West Point, NY. Operations Research Center.

2009, 59p

MA/ORC-DSE-TR-0912

Related Categories/Sub-categories:

- 74E (Logistics, Military Facilities, & Supplies)
- 76D (Navigation Systems)
- 85 (Transportation)

ADA500698

Development of a Semi-Autonomous Underwater Vehicle for Intervention Missions (SAUVIM Phase III-B).

Hawaii Univ., Honolulu. Dept. of Mechanical Engineering.

2009, 150p

Related Categories/Sub-categories:

- 47A (Marine Engineering)
- 76D (Navigation Systems)

ADA500845

Vision-Aided, Cooperative Navigation for Multiple Unmanned Vehicles.

Air Force Inst. of Tech., Wright-Patterson AFB, OH. Graduate School of Engineering and Management.

2009, 210p

AFIT/GE/ENG/09-05

Related Categories/Sub-categories:

- 45C (Common Carrier & Satellite)
- 51C (Aircraft)
- 74F (Military Intelligence)
- 76D (Navigation Systems)

ADA501557

Optimizing Employment of Search Platforms to Counter Self-Propelled Semi-Submersibles.

Naval Postgraduate School, Monterey, CA.

2009, 93p

Related Categories/Sub-categories:

- 47A (Marine Engineering)
- 76D (Navigation Systems)

ADA502235

Characterization of Robotic Tail Orientation as a Function of Platform Position for Surf-Zone Robots.

Naval Postgraduate School, Monterey, CA.

2009, 103p

Related Categories/Sub-categories:

- 62 (Computers, Control & Information Theory)
- 76D (Navigation Systems)
- 95F (Bionics & Artificial Intelligence)

ADA502867

NRL GPS Bibliography - An Annotated Bibliography of the Origin and Development of the Global Position System at the Naval Research Laboratory.

Naval Research Lab., Washington, DC.

2009, 163p

NRL/MR/1001--09-8988

Related Categories/Sub-categories:

- 76D (Navigation Systems)
- 88B (Information Systems)
- 94K (Laboratory & Test Facility Design & Operation)

ADA506512

Navigation Potential of Ground Feature Tracking.

Air Force Inst. of Tech., Wright-Patterson AFB, OH. Graduate School of Engineering and Management.

2009, 120p

AFIT/GE/ENG/09-52

Related Categories/Sub-categories:

- 63 (Detection & Countermeasures)
- 76 (Navigation, Guidance, & Control)
- 85F (Global Navigation Systems)

PB2010103883

Retroreflectivity Database Study.

Pennsylvania Transportation Inst., University Park.

2009, 68p

PTI-2009-24

Related Categories/Sub-categories:

- 50A (Highway Engineering)
- 62 (Computers, Control & Information Theory)
- 70F (Public Administration & Government)
- 71E (Coatings, Colorants, & Finishes)
- 76 (Navigation, Guidance, & Control)
- 85H (Road Transportation)

PB2010103885

Surface Moving Map Industry Survey.

John A. Volpe National Transportation Systems Center

2009, 86p

DOT-VNTSC-FAA-09-15

Related Categories/Sub-categories:

- 49E (Optoelectronic Devices & Systems)
- 51E (Avionics)
- 76C (Navigation & Guidance System Components)
- 76D (Navigation Systems)
- 85A (Air Transportation)



Category 77 Nuclear Science & Technology

ADA510238

Detection of Nuclear Weapons and Materials: Science, Technologies, Observations. Updated August 4, 2009.

Congressional Research Service
2009, 103p

CRS-R40154

Related Categories/Sub-categories:

74H (Nuclear Warfare)

77E (Nuclear Instrumentation)

ADA510856

Nuclear Energy Renaissance: Challenges to Nuclear Weapon Nonproliferation.

Army War Coll., Carlisle Barracks, PA.

2009, 32p

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77H (Reactor Engineering & Nuclear Power Plants)

92 (Behavior & Society)

ADA511405

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Congressional Research Service.

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CRS-RL33548

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77D (Nuclear Explosions & Devices)

ADA512765

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77G (Radioactive Wastes & Radioactivity)

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Nuclear Energy Policy. Updated December 10, 2009.

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77H (Reactor Engineering & Nuclear Power Plants)

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Feasibility of Recycling Plutonium and Minor Actinides in Light Water Reactors Using Hydride Fuel. Summary Report for March 2006 through December 2008.

Department of Energy.

2009, 194p

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77J (Reactor Materials)

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Oak Ridge National Lab., TN.

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ORNL/TM-2007/226

Related Categories/Sub-categories:

62 (Computers, Control & Information Theory)

68F (Radiation Pollution & Control)

68G (Environmental Health & Safety)

77H (Reactor Engineering & Nuclear Power Plants)

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Sandia National Labs., Albuquerque, NM.

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51F (Test Facilities & Equipment)

70B (Management Practice)

77 (Nuclear Science & Technology)

88B (Information Systems)

DE2009959040

Hanford Double Shell Tank Thermal and Seismic Project Increased Liquid Level Analysis for 241-AP Tank Farms.

Pacific Northwest National Lab., Richland, WA.

2009, 521p

RPP-RPT-32237 REV 1

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41F (Joining)

48F (Geology & Geophysics)

50C (Construction Equipment, Materials, & Supplies)

77F (Radiation Shielding, Protection, & Safety)

77G (Radioactive Wastes & Radioactivity)

89G (Construction Materials, Components, & Equipment)

DE2010970349

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Pacific Northwest National Lab., Richland, WA.

2010, 92p

PNNL-19010

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77F (Radiation Shielding, Protection, & Safety)

77G (Radioactive Wastes & Radioactivity)

NUREG0713V30

Occupational Radiation Exposure at Commercial Nuclear Power Reactors and Other Facilities

2008: Forty-First Annual Report.

Nuclear Regulatory Commission.

2010, 176p

Related Categories/Sub-categories:

44G (Environmental & Occupational Factors)

57U (Public Health & Industrial Medicine)

57V (Radiobiology)

68G (Environmental Health & Safety)

77H (Reactor Engineering & Nuclear Power Plants)

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Nuclear Regulatory Commission.

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88B (Information Systems)

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Nuclear Regulatory Commission.

2009, 180p

See also NUREG-1542-V14.

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70F (Public Administration & Government)

70B (Management Practice)

77 (Nuclear Science & Technology)



Category 77 Nuclear Science & Technology

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Essential Elements of an Electric Cable Condition Monitoring Program.

Nuclear Regulatory Commission.

2010, 123p

BNL-NUREG-90318-2009

Related Categories/Sub-categories:

77H (Reactor Engineering & Nuclear Power Plants)

97E (Electric Power Transmission)

NUREGIA0216V1

International Agreement Report: International HRA Empirical Study - Phase 1 Report.

Description of Overall Approach and Pilot

Phase Results from Comparing HRA Methods

to Simulator Performance Data. International Agreement Report.

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77 (Nuclear Science & Technology)

95D (Human Factors Engineering)

PB2010102127

Experimentation and Rapid Prototyping in Support of Counterterrorism.

National Research Council.

2010, 106p

ISBN-978-0-309-13668-6

Related Categories/Sub-categories:

62B (Computer Software)

74G (Military Operations, Strategy, & Tactics)

77D (Nuclear Explosions & Devices)

92E (International Relations)

PB2010101606

Assessment of the National Institute of Standards and Technology Center for Neutron Research, Fiscal Year 2009.

National Research Council.

2009, 28p

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Related Categories/Sub-categories:

46 (Physics)

71 (Materials Sciences)

77 (Nuclear Science & Technology)

94J (Nondestructive Testing)

97Q (Selected Studies in Nuclear Technology)

PB2010105007

Nuclear Security: DOE Needs to Address

Protective Forces' Personnel System Issues.

Government Accountability Office.

2010, 46p

GAO-10-275

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77 (Nuclear Science & Technology)

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95D (Human Factors Engineering)

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ADA499208

DoD Testing Requirements for Body Armor.

Department of Defense, Washington, DC. Office of the Inspector General.

2009, 67p

IG/DOD-D-2009-047

Related Categories/Sub-categories:

79B (Armor)

95G (Protective Equipment)

ADA499519

Ballistics Filtering.

Army Research Lab., Aberdeen Proving

Ground, MD. Weapons and Materials Research Directorate.

2009, 36p

ARL-TR-4735

Related Categories/Sub-categories:

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ADA499984

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Model.

Air Force Inst. of Tech., Wright-Patterson

AFB, OH. Graduate School of Engineering and Management.

2009, 135p

AFIT/GOR/ENS/09-17

Related Categories/Sub-categories:

63B (Electromagnetic & Acoustic

Countermeasures)

70B (Management Practice)

74 (Military Sciences)

79A (Ammunition, Explosives, &

Pyrotechnics)

ADA500566

Initial Evaluation of Advanced Powder

Metallurgy Magnesium Alloys for Armor

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79B (Armor)

ADA501145

Stryker Mobile Gun System: A Case Study on

Managing Complexity.

Naval Postgraduate School, Monterey, CA.

2009, 139p

Related Categories/Sub-categories:

79D (Combat Vehicles)

79G (Guns)



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Category 79 Ordnance

ADA501166

Economics of Landmines and Demining.
Naval Postgraduate School, Monterey, CA.
2009, 133p

Related Categories/Sub-categories:

- 57U (Public Health & Industrial Medicine)
- 74G (Military Operations, Strategy, & Tactics)
- 79A (Ammunition, Explosives, & Pyrotechnics)

ADA502715

Multi-Task Project to Provide Research Support for Human Research and Engineering Goals Identified by the Army.

Lincoln Univ., Jefferson City, MO.
2009, 128p

Related Categories/Sub-categories:

- 70D (Personnel Management, Labor Relations & Manpower Studies)
- 74 (Military Sciences)
- 79A (Ammunition, Explosives, & Pyrotechnics)
- 88D (Personnel)
- 92A (Job Training & Career Development)

ADA502771

Technology Type/Platform: GEM-5/Towed Array.
Aberdeen Test Center, Aberdeen Proving Ground, MD.

2009, 49p
ATC-9946

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- 79A (Ammunition, Explosives, & Pyrotechnics)

ADA511623

User's Reference Manual for the Safety Assessment for Explosives Risk Software.
APT Research Inc Huntsville AL.

2009, 122p
TP-19-REV 1

Related Categories/Sub-categories:

- 62B (Computer Software)
- 79A (Ammunition, Explosives, & Pyrotechnics)

ADA511849

Interaction of Blast and Head Impact in the Generation of Brain Injuries.

Foster-Miller, Inc., Waltham, MA.
2009, 96p

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- 57E (Clinical Medicine)
- 79E (Detonations, Explosion Effects, & Ballistics)

DE2009957047

Report on the Development of the Large-Bore Powder Gun for the Nevada Test Site.

Los Alamos National Lab., NM.
2009, 64p
LA-14386

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- 71 (Materials Sciences)
- 79G (Guns)

PB2009112678

Fireworks Annual Report, 2008: Fireworks-Related Deaths, Emergency Department-Treated Injuries, and Enforcement Activities During 2008.

Consumer Product Safety Commission, Bethesda, MD. Hazard Analysis Div.
2009, 40p

Related Categories/Sub-categories:

- 43D (Police, Fire, & Emergency Services)
- 57U (Public Health & Industrial Medicine)
- 79A (Ammunition, Explosives, & Pyrotechnics)
- 91C (Fire Services, Law Enforcement, & Criminal Justice)

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To Walk the Earth in Safety. The United States Commitment to Humanitarian Mine Action and Conventional Weapons Destruction. 8th Edition.
Department of State, Washington, DC. Bureau of Political-Military Affairs.

2009, 52p

See also 7th Edition, PB2008-111289.

Related Categories/Sub-categories:

- 63 (Detection & Countermeasures)
- 74I (Passive Defense Systems)
- 79A (Ammunition, Explosives, & Pyrotechnics)
- 92E (International Relations)

PB2010101343

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Government Accountability Office.

2009, 110p

Related Categories/Sub-categories:

- 74 (Military Sciences)
- 79B (Armor)
- 95G (Protective Equipment)

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Government Accountability Office.
2009, 44p

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Related Categories/Sub-categories:

- 74G (Military Operations, Strategy, & Tactics)
- 79A (Ammunition, Explosives, & Pyrotechnics)

PB2010104703

Development of Soft Armor Conditioning Protocols for NIJ Standard-0101.06.: Analytical Results.

National Inst. of Standards and Technology. Office of Law Enforcement Standards.
2009, 60p

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Related Categories/Sub-categories:

- 79B (Armor)
- 95G (Protective Equipment)
- 91C (Fire Services, Law Enforcement, & Criminal Justice)
- 95G (Protective Equipment)

PB2010105906

Analysis of the Blast Overpressure Study Data Comparing Three Exposure Criteria.

National Inst. for Occupational Safety and Health, Cincinnati, OH. Engineering and Physical Hazards Branch.

2009, 61p

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Related Categories/Sub-categories:

- 57E (Clinical Medicine)
- 57W (Stress Physiology)
- 79E (Detonations, Explosion Effects, & Ballistics)
- 95C (Biomedical Instrumentation & Bioengineering)

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PB2010105906	79	Analysis of the Blast Overpressure Study Data Comparing Three Exposure Criteria.
PB2010106815	74	Annual Threat Assessment of the U.S. Intelligence Community for the Senate Select Committee on Intelligence.
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ADA511405	77	Comprehensive Nuclear-Test-Ban Treaty: Background and Current Developments. Updated November 23, 2009.
ADA494849	75	Conventional Warheads for Long-Range Ballistic Missiles: Background and Issues for Congress. (Updated January 26, 2009).
PB2010106020	76	Data Filtering and Control Design for Mobile Robots.
ADA499487	76	Deeply-Integrated Feature Tracking for Embedded Navigation.
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ADA513763	74	Defense Industrial Base Assessment: Counterfeit Electronics.
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ADA510238	77	Detection of Nuclear Weapons and Materials: Science, Technologies, Observations. Updated August 4, 2009.
ADA500698	76	Development of a Semi-Autonomous Underwater Vehicle for Intervention Missions (SAUVIM Phase III-B).
PB2010104703	79	Development of Soft Armor Conditioning Protocols for NIJStandard-0101.06.:Analytical Results.
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ADA501166	79	Economics of Landmines and Demining.
PB2010105017	74	Electronic Health Records: DOD and VA Interoperability Efforts Are Ongoing; Program Office Needs to Implement Recommended Improvements.
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NUREGCR7000	77	Essential Elements of an Electric Cable Condition Monitoring Program.
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PB2010101183	63	Evaluation of Image Quality of Thermal Imagers used by the Fire Service. NIST Technical Note 1630.

DE2010970349	77	Evaluation of Ultrasonic Measurement Variation in the Double-Shell Tank Integrity Project.
PB2010102127	77	Experimentation and Rapid Prototyping in Support of Counterterrorism.
ADA499623	76	Failure Detection of a Pseudolite-Based Reference System Using Residual Monitoring.
DE2009949052	77	Feasibility of Recycling Plutonium and Minor Actinides in Light Water Reactors Using Hydride Fuel. Summary Report for March 2006 through December 2008.
PB2010101451	75	Final Environmental Assessment for Jacksonville Aviation Authority Launch Site Operator License at Cecil Field, Florida.
PB2010100436	63	Finding Trapped Miners by Using a Prototype Seismic Recording System Made From Music-Recording Hardware.
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ADA499984	79	Robust Sensitivity Analysis for the Joint Improvised Explosive Device Defeat Organization (JIEDDO) Proposal Selection Model.
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