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Category 45 Communications

PB2009108594
62 (Computers, Control & Information Theory)

PB2009108465
Internet Crime Report, 2008. Department of Justice. 2009, 28p Related Categories/Sub-categories:
70B (Management Practice) 70F (Public Administration & Government)

PB2009108270
70F (Public Administration & Government)

PB2009108223
70F (Public Administration & Government)

PB2009108146
Report on Universal Postal Service and the Postal Monopoly. Postal Regulatory Commission. 2009, 262p Related Categories/Sub-categories:
70F (Public Administration & Government)

PB2009108112
Simulation and Experimental Study of 802.11 Based Networking for Vehicular Management and Safety. Department of Transportation. 2009, 36p TNW2009-03 Related Categories/Sub-categories:
43G (Transportation) 85D (Transportation Safety) 85H (Road Transportation)
Category 45 Communications

PB2009106454
National Research Council.
2009, 144p
ISBN-0-309-12769-6
Related Categories/Sub-categories:
2009, 144p
Report.
84E (Space Launch Vehicles & Support Equipment)
82C (Social Concerns)
96A (Domestic Commerce, Marketing, & Economics)

PB2009106400
Recommendation for Applications Using Approved Hash Algorithms.
National Institute of Standards and Technology.
2009, 20p
NIST-SP-800-107
Related Categories/Sub-categories:
62 (Computers, Control & Information Theory)
70F (Public Administration & Government)

PB2009106399
Randomized Hashing for Digital Signatures.
National Institute of Standards and Technology.
2009, 17p
NIST-SP-800-106
Related Categories/Sub-categories:
62 (Computers, Control & Information Theory)
70F (Public Administration & Government)

PB2009106341
Pakistan - Consequences of Deteriorating Security in Afghanistan.
Swedish Defence Research Agency.
2009, 165p
FOI-R-2683-SE
Related Categories/Sub-categories:
74 (Military Sciences)
92E (International Relations)

PB2009106079
Department of Homeland Security.
2009, 188p
Related Categories/Sub-categories:
74 (Military Sciences)
88B (Information Systems)

PB2009106078
Report to Congress on Implementation of Section 1001 of the USA PATRIOT Act (As Required by Section 1001(3) of Public Law 107-56), February 2009.
Department of Justice.
2009, 14p
Related Categories/Sub-categories:
43D (Police, Fire, & Emergency Services)
92D (Education, Law, & Humanities)
91C (Fire Services, Law Enforcement, & Criminal Justice),
74 (Military Sciences)

PB2009105641
Transition to Digital Television: Is America Ready (January 21, 2009).
Congressional Research Service.
2009, 31p
Related Categories/Sub-categories:
92C (Social concerns)

PB2009105228
Broadcasting to Cuba: Actions Are Needed to Improve Strategy and Operations.
Government Accountability Office.
2009, 59p
GAO-09-127
Related Categories/Sub-categories:
70B (Management Practice)
92E (International Relations)

ADA494850
Congressional Research Service.
2009, 11p
CRS-7-5700, CRS-R40174
Related Categories/Sub-categories:
92D (Education, Law, & Humanities)
92E (International Relations)

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Major Subject Categories

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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/assets/pdf/scopenotes.pdf](http://www.ntis.gov/assets/pdf/scopenotes.pdf)

** Quantities represent each new report assigned on average to 3-5 categories.
**Category 45 Communications**

ADA494778  
Characterizing and Detecting Unrevealed Elements of Network Systems.  
Department of Defense.  
2009, 158p  
AFIT/DS/ENS/08-01W  
Related Categories/Sub-categories:  
72E (Operations Research)

ADA493135  
Congressional Research Service.  
2009, 41p  
Related Categories/Sub-categories:  
92E (International relations)

**Category 82 Photography & Recording Devices**

PB2009105466  
Techniques for Evaluating Objective Video Quality Models Using Overlapping Subjective Data Sets.  
National Center for Telecommunications and Information Policy.  
2008, 120p  
TR-09-457  
Related Categories/Sub-categories:  
45 (Communications)  
62 (Computers, Control & Information Theory)

PB2009101386  
Versatile Time-Lapse Camera System Developed by the Hawaiian Volcano Observatory for Use at Kilauea Volcano, Hawaii.  
2008, 16p  
USGS/SIR-2008-5117  
Related Categories/Sub-categories:  
48B (Natural Resource Management)  
48F (Geology & Geophysics)  
55A (Aeronomy)  
57H (Ecology)

PB2009101392  
Remote-Controlled Pan, Tilt, Zoom Cameras at Kilauea and Mauna Loa Volcanoes, Hawaii.  
2008, 22p  
USGS/SIR-2008-5129  
Related Categories/Sub-categories:  
48B (Natural Resource Management)  
48F (Geology & Geophysics)

PB2008112877  
Use of Small Unmanned Aircraft by the Washington State Department of Transportation.  
Washington State Department of Transportation  
2008, 27p  
WA-RD-703.1  
Related Categories/Sub-categories:  
48H (Snow, Ice, & Permafrost)  
50A (Highway Engineering)  
51A (Aerodynamics)  
51C (Aircraft)  
62F (Pattern Recognition & Image Processing)  
85 (Transportation)

PB2008112830  
Federal Highway Administration.  
2008, 12p  
PROJ-NO-0-5251-P2  
Related Categories/Sub-categories:  
43G (Transportation)  
45B (Radio & Television Equipment)  
85H (Road Transportation)  
91B (Transportation & Traffic Planning)

PB2008107325  
Optimization-Based Methods for Road Image Registration.  
Department of Transportation.  
2008, 16p  
TNW2008-03  
Related Categories/Sub-categories:  
43G (Transportation)  
85H (Road Transportation)  
91B (Transportation & Traffic Planning)

N20080046982  
NASA Video Catalog.  
National Aeronautics and Space Administration.  
2008, 88p  
NASA/SP-2008-7109/SUPPL18  
Related Categories/Sub-categories:  
70E (Research Program Administration & Technology Transfer)  
70F (Public Administration & Government)  
84 (Space Technology)  
88 (Library & Information Sciences)

N20080039123  
Making Smart Sensors Intelligent: Building on the IEEE 1451.x Standards.  
National Aeronautics and Space Administration.  
2008, 33p  
SSTI-2200-0097  
Related Categories/Sub-categories:  
84 (Space Technology)  
94B (Quality Control & Reliability)

N20080037427  
High-Temperature Strain Sensing for Aerospace Applications.  
National Aeronautics and Space Administration.  
2008, 25p  
Related Categories/Sub-categories:  
63 (Detection and Countermeasures)
Category 82 Photography & Recording Devices

N20080032494
Terrestrial Planet Finder Interferometer
Formation Control Performance Demonstration.
National Aeronautics and Space Administration.
2008, 83p
Related Categories/Sub-categories:
  84 (Space Technology)

N20080018467
 Globally Optimal Particle Tracking Technique for
Stereo Imaging Velocimetry Experiments.
National Aeronautics and Space Administration.
2008, 24p
NASA/TM--2008-215153, E-16381
Related Categories/Sub-categories:
  84 (Space Technology)

N20080017326
2007 Ikhana Western States and Southern
California Emergency UAS Fire Missions.
National Aeronautics and Space Administration.
2008, 29p
Related Categories/Sub-categories:
  91C (Fire services, law enforcement and
  criminal justice)

DE2008942060
OpenCV and TYZX: Video Surveillance for
Tracking.
Department of Energy.
2008, 33p
SAND2008-5776
Related Categories/Sub-categories:
  63G (Personnel Detection)
  74G (Military Operations, Strategy, & Tactics)
  95D (Human Factors Engineering)

ADA494397
Opportunity Landing Site Program: Opportune
Landing Site Southeastern Indiana Field Data
Collection and Assessment.
Department of Defense.
2008, 288p
ERDC/CRREL-TR-08-22
Related Categories/Sub-categories:
  48E (Soil Sciences)
  50D (Soil & Rock Mechanics)
  85A (Air Transportation)

ADA493420
Evaluation of Stereoscopic Digital
Mammography for Earlier Detection of Breast
Cancer and Reduced Rate of Recall.
Department of Defense.
2008, 92p
Related Categories/Sub-categories:
  57A (Anatomy)
  57E (Clinical Medicine)
  57S (Physiology)
  62B (Computer Software)

ADA4888726
Uses of a Polarimetric Camera.
Department of Defense.
2008, 77p
Related Categories/Sub-categories:
  46C (Optics & Lasers)
  62F (Pattern Recognition & Image Processing)
  63C (Infrared & Ultraviolet Detection)

ADA488757
Orchestration: The Movement and Vocal
Behavior of Free-Ranging Norwegian Killer
Whales (Orcinus Orca).
Department of Defense.
2008, 304p
MIT/WHOI-2008-08
Related Categories/Sub-categories:
  57C (Botany)
  57Z (Zoology)
  92D (Education, Law, & Humanities)

ADA486177
Evaluation of Holographic Technology in Close
Air Support Mission Planning and Execution.
Department of Defense.
2008, 47p
Related Categories/Sub-categories:
  74G (Military Operations, Strategy, & Tactics)

ADA482998
Symposium I: Nanoscale Magnetic Materials and
Applications. Held in Boston, Massachusetts on
Department of Defense.
2008, 55p
Related Categories/Sub-categories:
  46 (Physics)
  71N (Nonferrous Metals & Alloys)
  99D (Basic & Synthetic Chemistry)

ADA482618
Automatic Extraction of 3D Models From an
Airborne Video Sequence.
Department of Defense.
2008, 66p
DSTO-TR-2095
Related Categories/Sub-categories:
  74F (Military Intelligence)

ADA480027
Verification of Aerosol Optical Depth Retrievals
using Cloud Shadows Retrieved from Satellite
Imagery.
Department of Defense.
2008, 86p
Related Categories/Sub-categories:
  55C (Meteorological Data Collection,
  Analysis, & Weather Forecasting)

ADA478611
Ultrafast Target Recognition via Super-Parallel
Holograph Based Correlator, RAM and
Associative Memory.
Department of Defense.
2008, 95p
Related Categories/Sub-categories:
  63 (Detection & Countermeasures)

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