

Strategic Intelligence for R&D Contractors

DTIC Services to Technology Companies

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Outline

- **DTIC: Central repository for DOD R&D information**
- **Utilizing tech information opportunities - why and how**
- **User- friendly Web access**
- **Tools: Technical databases, citations, full-text downloads, Information Analysis Centers, Custom automatic information alert service**
- **Distribution and access: Public and restricted information access, eligibility and registration**
- **Database search tutorial**

Why Use DTIC ?

- **Gain a competitive edge!**
- **Almost 2 million items of strategic information online to help you to:**
 - **Assess how your R&D interests match DOD's**
 - **Locate agencies interested in your capabilities**
 - **Determine where money is available to pay for your efforts**

DTIC: The Beginning

**Repository for DOD and contractor
scientific and technical information**

(Technical Reports, Research Information)

- Originally formed after WW II to house, organize, and make available captured scientific and technical documents**
- Citation database computerized in the late 1960's**

DTIC Resources: 1970's

Defense Research and Development Test and Evaluation Online System (DROLS)

- Three main databases**
- Command driven interface**
- Hard-wired secure system (classified information)**
- Documents had to be ordered**
- Target audience: Search experts**

DTIC Resources: Now

- **Web enabled interfaces**
- **Electronic full-text documents and bibliographies**
- **Electronic and credit card ordering**
- **No classified info on open web**
- **Target audience: R & D community**
 - **Multi-level search capabilities**
 - **End-user friendly**

It's Not Your Grandfather's DTIC



Any more !

What Can DTIC Provide Me?

- **DOD/contractor R & D information**
- **Strategic intelligence:**
 - **What has been done already?**
 - **Did it succeed or fail?**
 - **Can I build on the information?**
 - **Will it allow me to skip duplication and develop further?**

Save yourself time and money



What's In It For Me?

- **Current/ongoing full text research summaries and retrieval services**
- **Completed research reports**
- **Personalized alerting services**
- **Reference and research support:**
 - **Literature searching**
 - **Search strategy assistance**
 - **Online and classroom training**



The Resource Piece

- Technical reports
- Test results
- Studies & analyses
- Journal articles
- Conference proceedings
- Theses & dissertations
- Patent information
- Research summaries: ongoing and completed
- Project details:
 - Objective
 - Approach
 - Progress
- Organization information:
 - Funding data
 - Performing/funding agency/contractor

We Want You To Join Us!

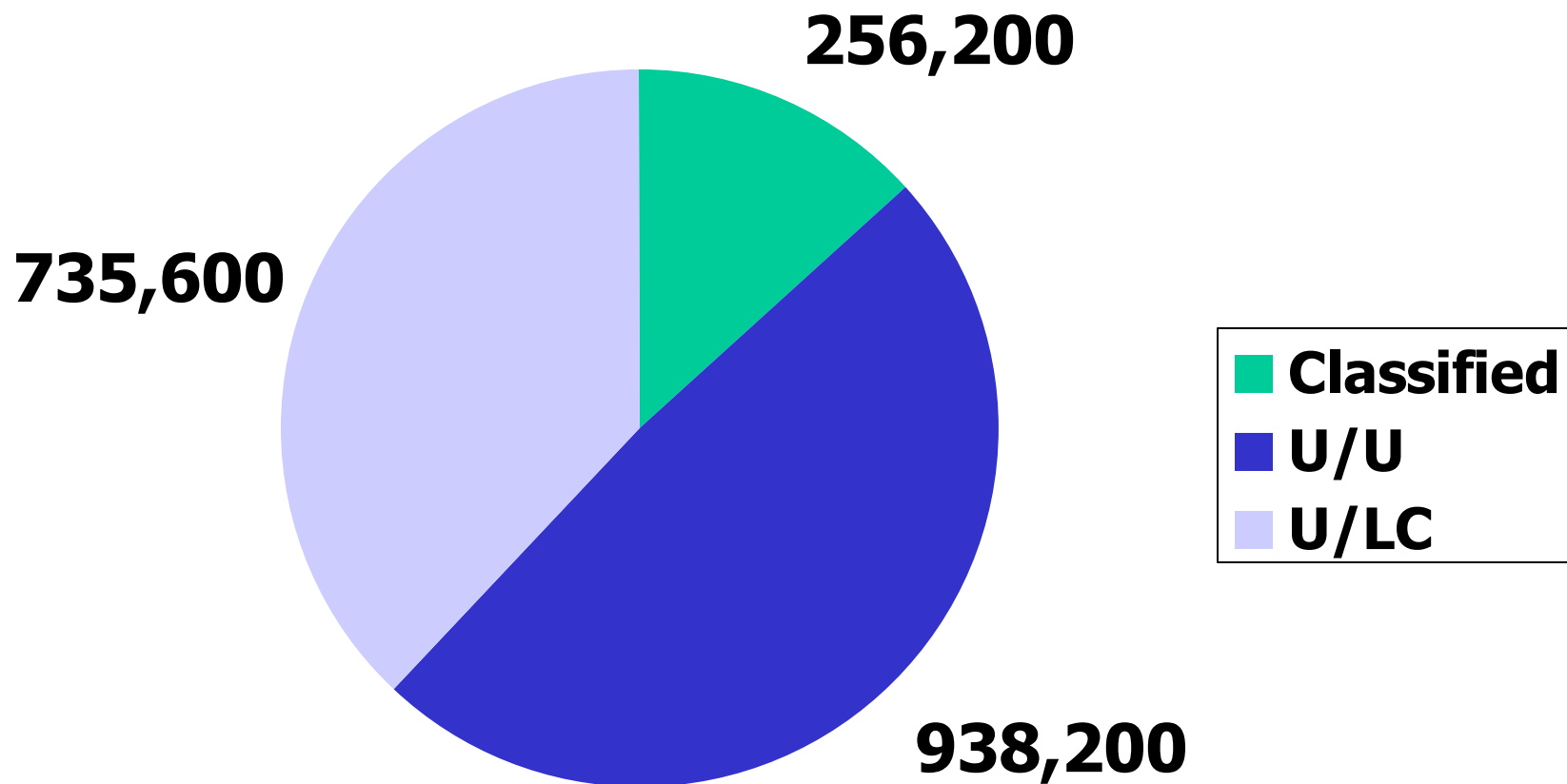
- **Competitive intelligence**
- **Project background information**
- **Continuous updating**
- **Marketing your technology through your input to DTIC**

Strategies:

- **Point of Contact**
- **Searching, searching ... who?**
- **DOD sponsor? -- or not?**
 - **Public release information only?**
 - **Government/DOD contractor information**

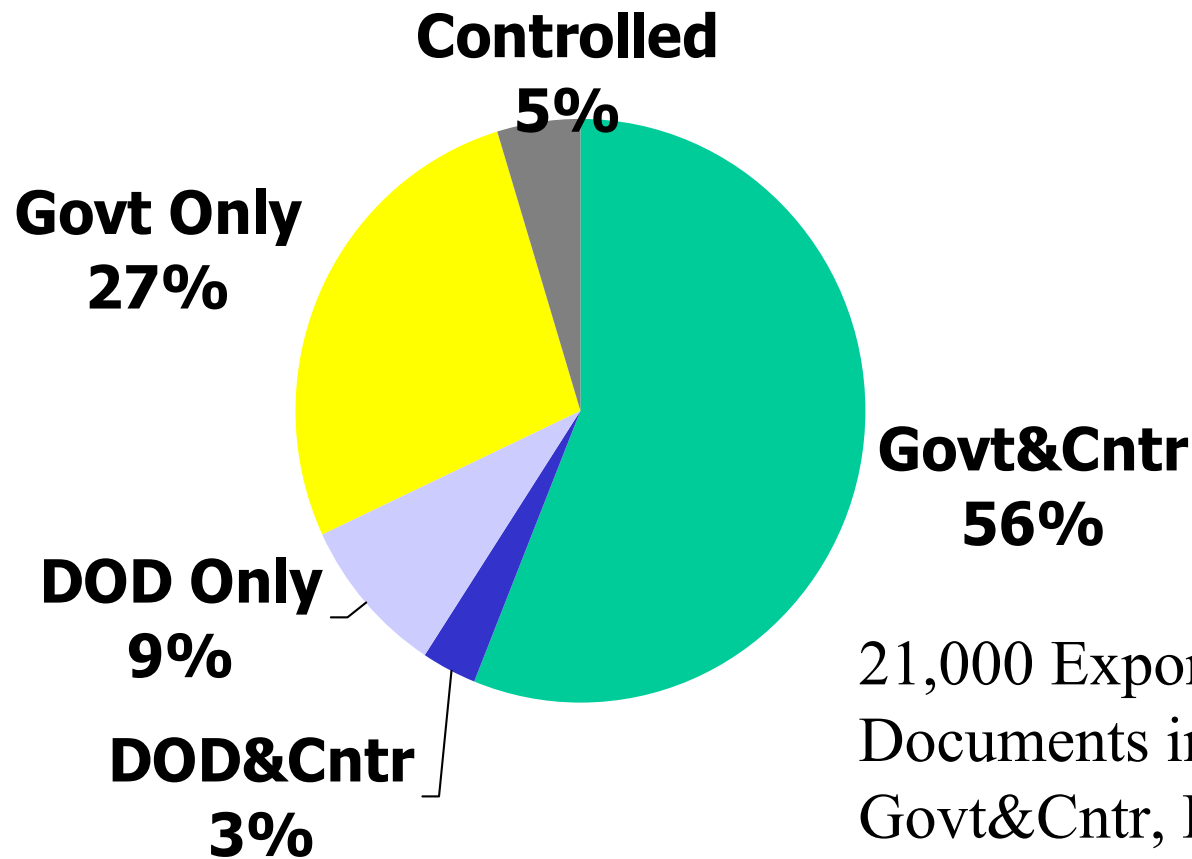


Technical Reports





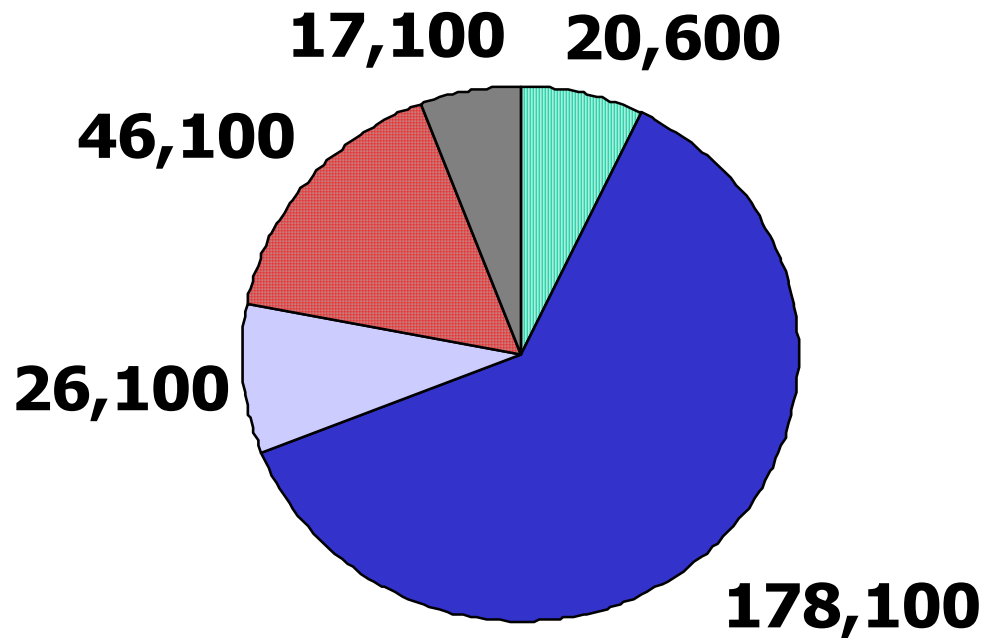
Unclassified/Limited



21,000 Export Control Documents included in Govt&Cntr, DOD&Cntr categories



Research Summaries





Increase Your Piece of the Pie (chart)

- **Govt & Cntr – requires an R&D contract with any government agency**
- **DOD & Cntr – requires an R&D contract with a DOD agency (also gives access to Govt & Cntr)**
- **DOD (or Govt) Only: Can be requested on a DTIC Form 55**
- **Export Control – requires DD Form 2345 certification thru DLIS, Battle Creek, MI**

Database Searching: Quick Start !

- Register
- Sign up for a database* password/login
- Quick orientation available:
 - Click on “Getting Started” (WED) or “Search Help” (P-STINET)...
 - Use our online distance learning:
<http://training.dtic.mil/welcome/welcome.html>

* Database Transition

Full access requires actions:

- **Already Signed up for DTIC's database search engine: *Web Enabled DROLS***
<http://www.dtic.mil/dtic/>
- **Automatic transitions to new Private STINET**

Use your User Code to complete new DTIC web registration



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- ▶ About Us
- ▶ Events
- ▶ Job Announcements
- ▶ Web Links
- ▶ Information Analysis Centers (IACs)

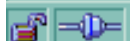
Who We Are

The Defense Technical Information Center (DTIC[®]) is the central facility for the collection and dissemination of scientific and technical information for the Department of Defense (DoD). Much of this information is made available by DTIC in the form of technical reports about completed research, and research summaries of ongoing research. As an element of the [Defense Information Systems Agency](#) (DISA), DTIC supports the warfighter and serves as a vital link in the transfer of information among DoD personnel, DoD contractors and potential contractors and other U.S. Government agency personnel and their contractors. DTIC's use of leading edge technology allows customized information to be gathered at rapid speeds and deployed to its customers using state-of-the-art communications. To utilize DTIC's products and services you must be a [registered user](#).

To improve the productivity of those who use scientific and technical information to accomplish a Defense mission objective, DTIC manages 13 Information Analysis Centers staffed by experienced information specialists, scientists and engineers who help customers

Announcements

- [DTIC 2003 Annual Users Meeting and Training Conference, March 31-April 3, 2003, DoubleTree Crystal City Hotel, Arlington, VA](#) *
- [DTIC's New Web-Based Registration Process](#)
- [New Interagency Science.gov Web Site](#)
- [Visit the new redesigned Air University Library Index to Military Periodicals \(AULIMP\)](#)
- [New Militarily Critical Technologies List \(MCTL\) is now available](#)
- [DTIC Digest - Latest edition now available in PDF](#)





Information for the Defense Community

The Database Transition

Web Enabled DROLS

Home | Collections | Ordering | View Stored Searches | View Shopping Cart | View Orders

Home

Defense RDT&E Online System (DROLS)

Technical Reports:

- [Description](#)
- [Quick Search](#)
- [Guided Search](#)
- [Advanced Search](#)

Research Summaries:

- [Description](#)
- [Quick Search](#)
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- [Advanced Search](#)

Cross Collection Search:

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- [Quick Search \(Blue Box This Page\)](#)
- [Guided Search](#)

DTIC Thesaurus:

- [Description](#)
- [Thesaurus Search](#)

Getting Started with WED

The Defense RDT&E Online System (DROLS) is a Scientific and Technical Information Network (STINET) that provides:

- Search, retrieve, display and print
- Explore a wide spectrum of information
- Access unclassified and classified information with authorization

Cross Collection Quick Search

- DTIC Technical Reports
- DTIC Corporate Sources

Private STINET
(Scientific & Technical Information Network)

Home | Collections | Find It | Contact Us | Help

The Defense Technical Information Center (DTIC) Scientific and Technical Information Network (STINET) Service helps the DoD community access pertinent scientific and technical information to meet mission needs more effectively.

Private STINET consists of the following:

- DTIC's Technical Reports collection. A database of approximately 2 million bibliographic citations of reports describing the progress or results of research efforts and other scientific and technical information held by DTIC.
- all recently added unclassified, unlimited and unclassified, limited full Technical Reports.
- active and inactive Research Summaries (RS) from 1965 to present
- Independent Research & Development data
- gray literature information.
- language translator.
- The British Library's **inside web**.
- Canada Institute for Scientific and Technical Information's *CISTI* Source

Navigation Links:

- About STINET
- What's New
- DTIC Collections
- Special Collections
- Other Tech Reports
- Journals
- Other Resources
- Ordering from DTIC
- Language Translator
- Change Password



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Registration

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- ▶ About Us
- ▶ Events
- ▶ Job Announcements
- ▶ Web Links
- ▶ Information Analysis Centers (IACs)

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What We Can Do For You

All users can [search DTIC's unclassified collections](#) and display or order scientific and technical information. DTIC also makes available sensitive and classified information to eligible users.

Announcements

- [New Military Critical Technologies List \(MCTL\) is now available](#)
- [DTIC Launches new Handle Service!](#)
- [DTIC's latest "Report To Our Customers" now available](#)

Any questions? -- www.dtic.mil

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F

FAQs

- [Copyright](#)
- [Registration Service](#)
- [Federal Acquisition Regulation \(FAR\) DoD Supplement \(DFARS\)](#)
- [Federal Library and Information Center Committee \(FLICC\)](#)
- [Fields and groups](#)
- Forms used by DTIC
 - DISA Forms** [Form 41](#)
 - DoD Forms**
 - [1540](#) (Registration for Scientific and Technical Information Services)
 - [2345](#) (Militarily Critical Technical Data Agreement)
 - [254](#) (Contract Security Classification Specification)
 - DTIC Forms**
 - [Commercial database search request Form](#)
 - [Current Awareness subscription Form](#)
 - [Document identification request form](#)
 - [Document order request form](#)
 - [DTIC Database search request](#)
 - [Electronic document submission registration form](#)
 - [Form 55](#) (Request for Release of Limited Documents) HTML version
 - [Form 55](#) (Request for Release of Limited Documents) WORD version
 - [Non-print submissions form](#) (DTIC Form 530)
 - [Order Status request form](#)
 - [Secure STINET application form](#)
 - [TR CDROM application form](#)
 - [Web enabled DROLS \(WED\) application form](#)




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- ▶ Specialized Programs
- ▶ Registration Forms
- ▶ FAQs

Registration Forms

DD Form 1540 [\[Fillable Adobe PDF\]](#) [\[Form Flow 2.0\]](#) [\[PerForm Pro\]](#)

- DD Form 1540, **Registration for Scientific and Technical Information Services**, serves as DTIC's registration form. Each application identifies a person who is responsible for communicating with DTIC®. This person must be both eligible and authorized to receive the information requested. Products and services ordered from DTIC shall always be addressed to this individual.

DD Form 2345 [\[Fillable Adobe PDF\]](#) [\[Form Flow 2.0\]](#) [\[PerForm Pro\]](#)

- DD Form 2345, **Militarily Critical Technical Data Agreement Certification**, must be completed by contractors if they wish to access export-controlled data.

DTIC Form 55 [\[HTML Version\]](#) [\[Word Version\]](#)

- DTIC Form 55 is used to request the **release of a limited document**. If you have any questions when filling in the form, refer to these [instructions](#).

Document: Done


Results Available Without Searching...

- **Current Awareness Services:**
 - TRAIL
 - CAB / ECAB and Research Summaries
- **DTIC Web sources:**
 - TopicLINKS
 - DTIC Web resources
- **22 Information Analysis Centers (IAC's)**
 - specialized centers, including CBIAC (Chem Warfare/ Chem & Biological Defense IAC)

TRAIL - Netscape

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Bookmarks Netsite: <http://www.dtic.mil/trail/> What's Related



TRAIL

Welcome to the

Defense Technical Reports Automated Information List (TRAIL)

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TRAIL is a free electronic mailing list that automatically disseminates citations to DTIC's unclassified/unlimited technical reports recently added to the DTIC technical reports database. Our technical reports are categorized according to [DTIC's 25 subject categories](#) and 251 groups and subgroups which are described more fully in the [Subject Categorization Guide for Defense Science and Technology](#).

TRAIL subscribers may choose to receive their first bibliography via email immediately after subscribing; TRAIL listings will follow every two weeks. The bibliography is based on the categories and subgroups chosen on the subscription form.

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C h e c k	Subject Category Click the link for details	h e l p	<ul style="list-style-type: none"> • Begin by selecting a Subject Category on the far LEFT under "check" column. • Next, deselect any unwanted subgroups in this column. • At any time, click the ? to view the subgroup definitions. • To deselect all "checkboxes" in a Subject Category Click the radio button on the far RIGHT under Reset column. 	R e s e t
<input type="checkbox"/>	01 Aviation Technology	?	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	<input type="radio"/>
<input type="checkbox"/>	02 Agriculture	?	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 1 2 3 4 5 6	<input type="radio"/>
<input type="checkbox"/>	03 Astronomy and Astrophysics	?	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 1 2 3	<input type="radio"/>
<input type="checkbox"/>	04 Atmospheric Sciences	?	<input type="checkbox"/> <input type="checkbox"/> 1 2	<input type="radio"/>
<input type="checkbox"/>	05 Behavioral and Social Sciences	?	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 1 2 3 4 5 6 7 8 9	<input type="radio"/>
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<input type="checkbox"/>	08 Earth Sciences and Oceanography	?	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 1 2 3 4 5 6 7 8 9 10 11 12	<input type="radio"/>
<input type="checkbox"/>	09 Electrotechnology and Fluidics	?	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 1 2 3 4 5 6 7	<input type="radio"/>
	10 Power			

Current Awareness Bibliography (CAB)

- Citations to newly acquired items in the Technical Reports database sent to you twice a month
- Uses your personal subject / topic profile
- Paper copy or email
- Links to full-text
- CAB has unclassified /unlimited, unclassified / limited and classified citations according to user eligibility
- Electronic CAB (ECAB) contains unclassified / unlimited
- Limited and classified citations appear without abstracts or identifiers
- Contact an information retrieval analyst on (703) 767-8266, DSN 427-8266, or 1-800-225-DTIC, or email: bibs@dtic.mil

Topic Links

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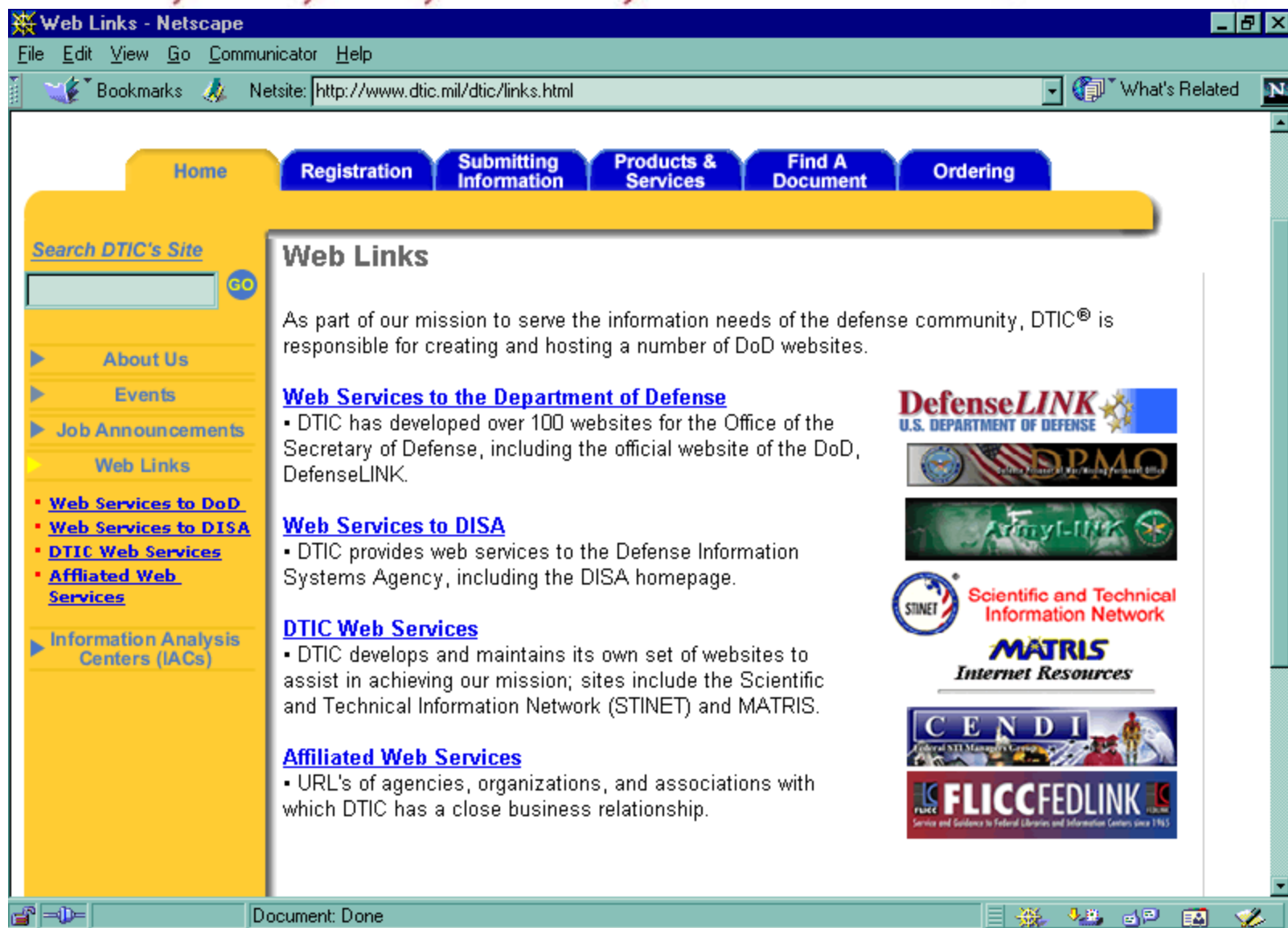
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Agriculture	GO	Engineering	GO
Behavioral/Social Science	GO	General Information--Ready Reference	GO
Bioscience	GO	Government Information	GO
Chemistry	GO	Materials/Processes	GO
Communications/Telecommunications	GO	Mathematics	GO
Computing	GO	Military Science	GO
Databases/Information Centers	GO	Physics	GO
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 - Web Services to DISA
 - DTIC Web Services
 - Affiliated Web Services
- Information Analysis Centers (IACs)

Web Links

As part of our mission to serve the information needs of the defense community, DTIC® is responsible for creating and hosting a number of DoD websites.

[Web Services to the Department of Defense](#)

- DTIC has developed over 100 websites for the Office of the Secretary of Defense, including the official website of the DoD, DefenseLINK.

[Web Services to DISA](#)





- DTIC provides web services to the Defense Information Systems Agency, including the DISA homepage.

[DTIC Web Services](#)


- DTIC develops and maintains its own set of websites to assist in achieving our mission; sites include the Scientific and Technical Information Network (STINET) and MATRIS.

[Affiliated Web Services](#)



- URL's of agencies, organizations, and associations with which DTIC has a close business relationship.

Scientific and Technical Information Network



Internet Resources

Document: Done



DEFENSE TECHNICAL INFORMATION CENTER

Information for the Defense Community

Chemical and Biological Information Analysis Center - Netscape

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CBIAC
Information Analysis Center

"Bringing the CB Defense Community Together"



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General Info	Site Map	Database Search	Products Overview
Contact Us	Site Search	Database Help File	Basic Products Catalog
CBIAC Locations		Access Request Form	Product Request Form
<i>Inquiries</i>	<i>Current Awareness</i>	<i>CBD Resources</i>	<i>Technical Area Tasks</i>
Information Services	Objectives	CBD Current Patents	TATs Defined
Inquiry Services	Newsletters	CBD Current Headlines	TAT Process
Inquiry Request Form	Newsletter Ads	CBD Journal Literature	
	Calendar of Events	CBD Internet Directory	
		Key CBD Documents	
		Other Resources	

*** *Advisories on Anthrax, Mail, and Related Topics* ***

Homeland Security Services

New CBIAC Products

IAC Mission Success Stories

CBIAC Mailing List Request Form

Highlighting...

<http://www.cbiac.apgea.army.mil>

Searching DTIC's Subscription Databases

- **Password/Login information sent to you by mail**
- **Follow instructions**
- **Be sensitive to security**
- **Search can be general or in a specific field: subject, contract number, title, abstract, etc.**

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Bookmarks Location: http://www.dtic.mil/ What's Related

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- [New Military Critical Technologies List \(MCTL\) is now available](#)
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- [DTIC's latest "Report To Our Customers" now available](#)

Username and Password Required

Enter username for drols.dtic.mil at drols.dtic.mil:

User Name:

Password:

OK Cancel

Connect: Please enter password for host...



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The Defense RDT&E Online System (DROLS) provides online access to DTIC collections of Scientific and Technical Information (STI). With Web Enabled DROLS, you can:

- Search, retrieve, display and order products
- Explore a wide spectrum of information by searching selected bibliographic fields
- Access unclassified and limited distribution information depending on user authorization

Cross Collection Quick Search:

[General Search Help](#)



- | | |
|--|---|
| <input checked="" type="checkbox"/> DTIC Technical Reports | <input type="checkbox"/> Research Summaries |
| <input type="checkbox"/> DTIC Corporate Sources | <input type="checkbox"/> DTIC Thesaurus |

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Tech Support or to Report Problems:

DTIC Tech Contol

Telephone: Commercial (703) 767-6000/DSN 427-6000

Email: TechCont@dtic.mil

Training or More Information on Web Enabled DROLS:

ATTN: Network Services Branch (DTIC-BRN)

Defense Technical Information Center

8725 John J. Kingman Road, Suite 0944

Ft. Belvoir, VA 22060-6218

Telephone: Commercial (703) 767-8265/DSN 427-8265

FAX: Commercial (703) 767-8228/DSN 427-8228

Email: training@dtic.mil

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Field Searching:

Enter **words** or **phrases** in the fields you want to search. If you enter terms in more than 1 field, the fields will be joined by the "AND" operator. The results set will contain citations that meet the criteria for all fields entered.

[All Fields:](#)

[Accession Number \(AD\):](#)

[Title:](#)

[Personal Author:](#)

Submit Query

Clear Query

Optional Search Parameters:

Make a selection from the pull down boxes or accept the default value in the fields below to limit your search results.

[Report Date Range:](#)

All Records

TR Quick Search - Search Choices

- Dates
- User access level
- Full text links ONLY

Optional Search Parameters:

Make a selection from the pull down boxes or accept the default value in the fields below to limit your search results.

[Report Date Range:](#)

All Records
Last 2 Years
Last 5 Years
Last 10 Years
Last 20 Years
All Records

[Limit by User Profile:](#)

Limit search to only those technical rep.

[Text links](#) available: **NEW!**

Display Options:

[Sort by:](#)

Report Date in Descending order.

[Number of hits per page:](#)

30

[Pre-defined Citation Display Format:](#)

Full Citation (1F)

TR Quick Search - Results Choices

- Sort order
- Number of hits per page
- Formats: Custom or canned

Make a selection from the pull down boxes of the fields below to limit your search results.

[Report Date Range:](#)

[Limit by User Profile:](#)

Limit search to only those technical reports

Display Options:

[Sort by:](#)

[Number of hits per page:](#)

[Pre-defined Citation Display Format:](#)

Score
Title
Report Date
AD Number
Personal Author
Corporate Author
Citation Creation Date
Distribution Codes
Source Code

Report Date in Descending order.

30

Full Citation (1F)

links available: NEW!



TR Quick Search

- All Fields same on all screens
- Exact or approximate number
- Title or Author

Field Searching:

Enter **words** or **phrases** in the fields you want to search. If you enter terms in more than 1 field, the fields will be joined by the "AND" operator. The results set will contain citations that meet the criteria for all fields entered.

[All Fields:](#)

[Accession Number \(AD\):](#)

[Title:](#)

[Personal Author:](#)

Submit Query

Clear Query



Brief Results Page

Your search for **((biofeedback) <in> TI) <and> (01 <in> DC)** matched **29** out of **1926243** documents.

Save This Search

Order Bib

Results list navigation: [1](#) [2](#) [\[Next\]](#)

Put checked items in Shopping Cart

Press this button to add items before leaving this page.

1. [View Citation](#) | (No Full Text Available)

Add to Shopping Cart

Title: Versatile System for Interfacing Subject to Task in EEG Analysis with Biofeedback.

AD Number: ADA021827. *Corporate Author:* NAVAL POSTGRADUATE SCHOOL MONTEREY CALIF. *Personal Author:* Marvel,Dennis Cruce. *Report Date:* December 01, 1975. *Media:* 51 Page(s). *Distribution Code:* 01 - APPROVED FOR PUBLIC RELEASE. *Source Code:* 251450. *From the Collection:* TR42.

2. [View Citation](#) | (No Full Text Available)

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Title: Use of Biofeedback in Anxiety Management Training and its Effect on Scholastic Performance.

AD Number: ADA042920. *Corporate Author:* FRANK J SEILER RESEARCH LAB UNITED STATES AIR FORCE ACADEMY COLO. *Personal Author:* Eggleston,Robert G. Parker,Kermit E.. *Report Date:* April 01, 1977. *Media:* 122 Page(s). *Distribution Code:* 01 -



Full Citation (upper part)

Technical Reports Collection

Citation Format: Full Citation (1F)

Accession Number :

ADA213171

Citation Status:

Active

Citation Classification:

Unclassified

Field(s) & Group(s):

200600 - OPTICS

230100 - BIOMEDICAL INSTRUMENTATION AND BIOENGINEERING

Corporate Author:

NAVAL AEROSPACE MEDICAL RESEARCH LAB PENSACOLA FL

Unclassified Title:

A Scheiner-Principle Pocket Optometer for Self-Evaluation and Biofeedback Accommodation Training.

Title Classification:

Unclassified

Descriptive Note:

Interim rept. 1987-1988,

Personal Author(s):

Report Date:

19 Apr 1989

Media Count:

14 Page(s)

Cost:

\$7.00

Report Number(s):

NAMRL-1344
XB-NAMRL

Project Number:

M0096

Task Number:

M0096001

Monitor Acronym:

XB

Monitor Series:

NAMRL

Report Classification:

Unclassified

Descriptors:

*TRAINING DEVICES, *FOCUSING, *NIGHT VISION, *VISUAL DEFECTS, *BIOFEEDBACK, *OPTOMETERS, MANUFACTURING, TRAINING, FLIGHT TRAINING, LOW COSTS, HUMANS, PILOTS, LIGHT, PROTOTYPES, LIGHT SOURCES, AVAILABILITY, FLIGHT, DARKNESS, WINDSHIELDS, LIGHTWEIGHT, EYE, SKY, DISTORTION, MONOCHROMATIC LIGHT, HAND HELD, INVENTIONS, CHROMATICITY

Identifiers:

*VISUAL ACCOMMODATION, *NIGHT MYOPIA, WU7006, PE63706N, MYOPIA, EMPTY FIELDS

Abstract:

Most humans tend toward myopia when presented with a visual field without sufficient detail to stimulate focusing mechanisms. This means that a pilot flying in darkness, or in an 'empty field' such as empty sky, will be likely to focus nearer the windscreen than at the optical infinity required to focus on visual targets of probable interest. Biofeedback training to counter this problem has been limited in practical application by expensive and cumbersome instrumentation. A Scheiner-principle optometer has been developed for self-evaluation of accommodative state and biofeedback training. The specific advantages of the new invention over earlier optometers are: (a) simplicity of design; (b) hand held, portable implementation; (c) light weight; (d) small size; (e) low manufacturing cost; (f) the use of a monochromatic light source to eliminate the effects of chromatic aberrations in the subject's eye; and (g) effectiveness as a training aid. Four prototypes of the pocket optometer have built and were used to implement biofeedback training to correct night myopia in 12 Navy aviation candidates. All subjects were emmetropic in full light. Training was limited in duration due to the transient nature of subject availability but was reasonably successful in 10 out of the 12 cases.

Abstract Classification:

Unclassified

Distribution Limitation(s):

01 - APPROVED FOR PUBLIC RELEASE

Source Code:

406061

Document Location:

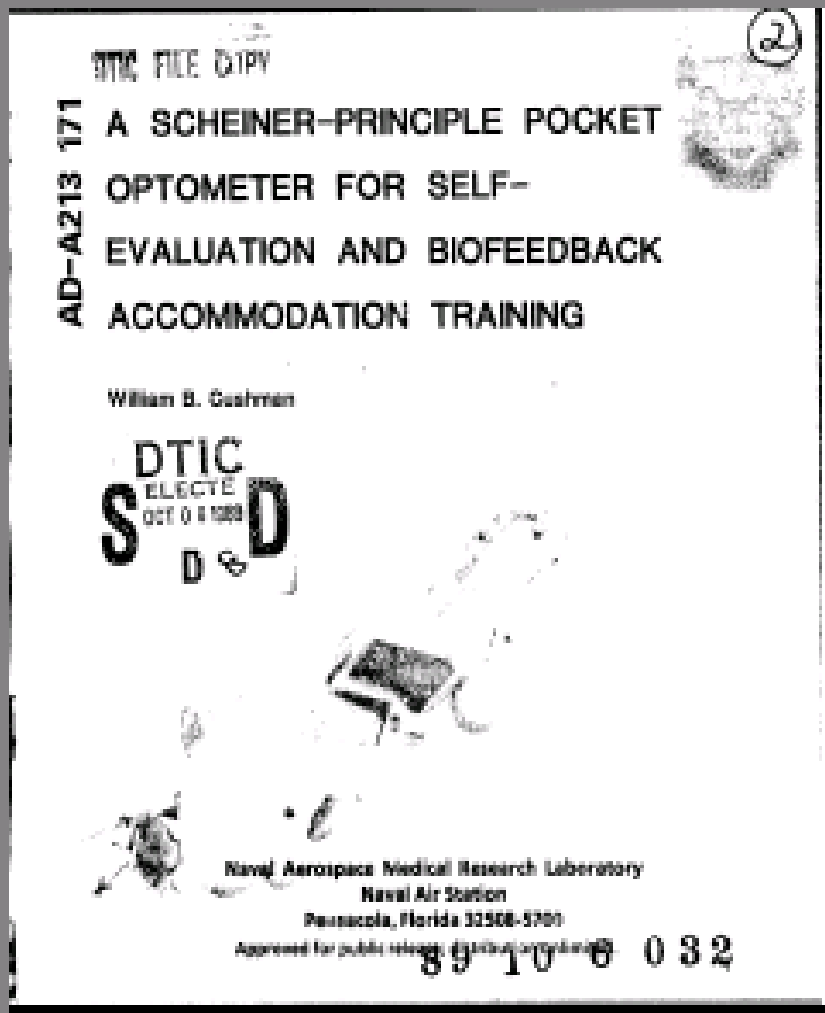
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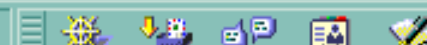
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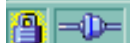
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<input type="text" value="All Fields"/>	<input type="text"/>	<input type="text" value="And"/>
<input type="text" value="Accession Number (AD)"/>	<input type="text"/>	<input type="text" value="And"/>
<input type="text" value="Title"/>	<input type="text"/>	<input type="text" value="And"/>
<input type="text" value="Personal Author"/>	<input type="text"/>	<input type="text" value="And"/>
<input type="text" value="Abstract"/>	<input type="text"/>	<input type="text" value="And"/>
<input type="text" value="(Unselected)"/>	<input type="text"/>	<input type="text" value="And"/>
<input type="text" value="(Unselected)"/>	<input type="text"/>	<input type="text" value="And"/>



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<input type="text" value="Key Word"/>	<input type="text"/>	<input type="text" value="And"/>
<input type="text" value="Title"/>	<input type="text"/>	<input type="text" value="Or"/>
<input type="text" value="Personal Author"/>	<input type="text"/>	<input type="text" value="And"/>
<input type="text" value="Abstract"/>	<input type="text"/>	<input type="text" value="And"/>
<input type="text" value="IAC Subject Terms"/>	<input type="text"/>	<input type="text" value="And"/>
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<input type="text" value="Descriptor Hierarchy"/>	<input type="text"/>	<input type="text" value="And"/>
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Your search for ((**anti ballistic**) <in> AB) <AND> (**defense** <in> AB) <AND> ((**space based**) <in> AB)) <and> (RD >= 1 JAN 1900) <and> (RD < 1 SEP 2002) matched 7 out of **1929056** documents.

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Title: Anti-Ballistic Missile Laser Predictive Avoidance of Satellites: Theory and Software for Real-Time Processing and Deconf ...
AD Number: ADA361667. *Corporate Author:* AIR FORCE INST OF TECH WRIGHT-PATTERSONAFB OH. *Personal Author:* VLOEDMAN, David J.. *Report Date:* March 01, 1999. *Media:* 219 Page(s). *Distribution Code:* 01 - APPROVED FOR PUBLIC RELEASE. *Source Code:* 012200. *From the Collection:* TR42.

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Title: Can the U.S. Air Force Weaponize Space?
AD Number: ADA397152. *Corporate Author:* AIR WAR COLL MAXWELL AFB AL. *Personal Author:* McFaddin, David W.. *Report Date:* April 01, 1998. *Media:* 46 Page(s). *Distribution Code:* 01 - APPROVED FOR PUBLIC RELEASE. *Source Code:* 014550. *From the*



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Enter any notes you'd like to keep to describe this search (up to 80 characters):

A rectangular text input field with a light gray background and a thin border. It contains the text "Training Sample". On the right side, there are two small square buttons with upward and downward arrows. At the bottom, there are two small square buttons with leftward and rightward arrows.

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Search Control Number:	13839
Date Saved:	Jul 5 2002
Notes:	Training Sample
Search:	((mines <in> AB) <AND> (detectors <in> AB) <AND> (sensors <in> AB)) <and> (RD >= 1 JAN 1996) <and> (RD < 1 JUL 2001) <and> (01 <in> DC)
Collection:	TR42
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Items	Unit	Quantity	Total	
Title: Characterization of Background for Unexploded Ordnance and Mine Detection (with AD: ADM001247 Report Date: February 01, 1997 Media: 4 CD-ROM(s)	\$56.00	<input type="text" value="1"/>	\$56.00	Delete this Item Save for later 
Title: Environmental Impacts to the Chemical Signature Emanating from Buried Unexplode AD: ADA379817 Report Date: December 01, 1998 Media: <input type="text" value="Hardcopy"/> 73 Page(s)	\$7.00	<input type="text" value="1"/>	\$7.00	Delete this Item Save for later
			Grand Total: \$63.00	





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Attention Line: *

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Account Number: *

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13705	Jul 11 2002	TR Doc	View Receipt
13416	Jun 26 2002	TR Doc	View Receipt
13366	Jun 24 2002	TR Doc	View Receipt
13335	Jun 21 2002	TR Doc	View Receipt
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<input type="text" value="Title"/>	<input type="text"/>	<input type="text" value="And"/>
<input type="text" value="Personal Author"/>	<input type="text"/>	<input type="text" value="And"/>
<input type="text" value="Abstract"/>	<input type="text"/>	<input type="text" value="And"/>
<input type="text" value="(Unselected)"/>	<input type="text"/>	<input type="text" value="And"/>
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<input type="text" value="Descriptor Hierarchy"/>	<input type="text" value="DIVERSITY RADAR"/>	<input type="text" value="And"/>
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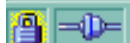
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Accession Number:

DF301572

Agency Digraph:

DF - DEPARTMENT OF THE AIR FORCE

Activity Code:

FAV

Status of Effort:

CHANGED

Performance Method:

IN-HOUSE

Performance Type:

RDT&E WORK UNIT (RDTE)

Date of Summary:

13 MAY 2002

Date of Preceding Summary:

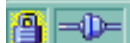
13 FEB 2002

Start Date of Effort:

1 OCT 2001

End Date:

30 SEP 2004



Title:

OPTOELECTRONIC TECHNOLOGY DEVELOPMENT

Responsible Organization:

Activity: AIR FORCE RESEARCH LAB WRIGHT-PATTERSON AFB OH

Location: WRIGHT-PATTERSON AFB OH 45433-7331

Geopolitical Code: 3907

Source Code: 433979

Responsible Individual Information:

Name: LORENZO, J P

Office Symbol/Code: SNHC

Phone Number: 781-377-2234

DSN Number: 787-2234

Performing Organization:

Activity: AIR FORCE RESEARCH LAB WRIGHT-PATTERSON AFB OH

Location: WRIGHT-PATTERSON AFB OH 45433-7331

Geopolitical Code: 3907

Source Code: 433979

Organization Type: F - AIR FORCE

Principal Investigator Information:

Name: LORENZO, J P

Office Symbol/Code: SNHC

Phone Number: 781-377-2234

DSN Number: 787-2234

1st Associate Investigator:

LORENZO, J P

Primary Funding Data:

Program Element (PE) Number: 0602204F

Program Element (PE) Number: 602204F

Project Number: 4916

Task Number: HC

Objective:

DEVELOP AND TEST NEW SEMICONDUCTOR COMPONENTS, MATERIALS, AND TECHNIQUES WITH ADVANCED CAPABILITIES TO UNAMBIGUOUSLY IDENTIFY MILITARY AND URBAN THREATS, PROVIDE AMPLE THREAT WARNING AND PRECISELY ENGAGE TARGETS IN CLUTTERED ENVIRONMENTS.

Approach Classification:

UNCLASSIFIED

Approach:

DEVELOP AND FABRICATE ADVANCED III-V AND WIDE-BAND-GAP HETERO-STRUCTURE OPTICAL SOURCES AND DETECTORS FOR DETECTION OF CHEMICAL AND BIOLOGICAL THREATS. DEVELOP AND STANDARDIZE NEW METHODS FOR INTEGRATION AND MINIATURIZATION OF 2D OPTICAL DETECTORS. DELIVER FUNCTIONAL FPAS FOR TEST BED ANALYSIS. IMPLEMENT FUNCTIONAL TESTING OF FPAS IN PRECISION GUIDED MUNITIONS AND FOR ENHANCED, MULTI-FUNCTIONAL THREAT WARNING USING UAV PLATFORMS. TEST DEVELOPED ALGORITHMS FOR ATR, RECONSTRUCTION OF BATTLEFIELD DATA AND DATA FUSION. DEVELOP QUANTUM COMPUTING, MASSIVE DATA MANIPULATION AND STORAGE TECHNIQUES.

Progress Classification:

UNCLASSIFIED

Progress:

FROM 01-OCT-01 TO 06-NOV-01 NEW START. (CONTINUES IN-HOUSE WORK PREVIOUSLY PERFORMED UNDER 62702F, PROJECT 4600.).

Descriptors Classification:

UNCLASSIFIED

Descriptors:

ALGORITHMS, BATTLEFIELDS, BIOLOGICAL WARFARE, CLUTTER, DATA FUSION, DATA MANAGEMENT, DETECTION, DETECTORS, ELECTROOPTICS, FOCAL PLANES, GROUP III COMPOUNDS, GROUP V COMPOUNDS, GUIDED WEAPONS, MINIATURIZATION, MULTIPLE OPERATION, PRECISION, QUANTUM THEORY, SEMICONDUCTOR DEVICES, SEMICONDUCTORS, STORAGE, TEST BEDS, TEST EQUIPMENT, THREATS, URBAN AREAS, WARNING SYSTEMS

Identifiers:

OPTO-ELECTRONI, SEMICONDUCTORS, FOCAL PLANE AR

Field(s) & Group(s):

090500 - ELECTROOPTICAL AND OPTOELECTRONIC DEVICES

Local Control (Work Unit) Number:

4916HC01

Domestic Technology Transfer(Civilian Applicability):

LOW POTENTIAL FOR CIVILIAN APPLICATION



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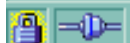
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