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April 4-5, 2011

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5 April 2011

Ms. Phyllis Levine



New! DTIC Online Public Search

Ms. Phyllis Levine, Technical Information Specialist, DTIC

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Officials Certify First Aircraft for Biofuel Usage

The certification for usage of HRJ biofuel blended with petroleum-based JP-8 fuel represents part of ongoing efforts by Air Force officials to certify and test biofuels from non-petroleum sources.
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Beta Search Features

- **10 Collections**
- **Simple Search - TR**
- **Advanced Search Page**
- **Full-text searching**
- **Search term bolded** in results
- **Search term highlighted** in cached citations and text version
- **Collection Descriptions** - brief description of all the collections available
- **Search tips**- An easy to follow “how to” document with examples, that introduces basic search concepts and describes advanced techniques that produce more efficient search results.
- **More features to come...** including additional collections



Collection Descriptions

Description of Available Collections

- **All Collections** - Search all of the collections listed below at once.
- **Technical Reports** - Scientific and technical (S&T) reports conveying results of Defense-sponsored research, development, test and evaluation (RDT&E) efforts on a wide range of topics. Collection includes both citations and many full-text, downloadable documents from mid-1900s to present.
- **AULIMP** - Air University Library Index to Military Periodicals. Subject index to significant articles, news items, and editorials from military and aeronautical periodicals, with citations from 1988 to present.
- **BRD** - Biomedical Research Database. Developed from federally funded research, testing and training programs; updated annually.
- **Congressional Budget Data (CBD)** - Provides detailed search and analysis capabilities across the military departments and agencies for Research Development Test and Evaluation (RDT&E) data. DTIC's PDF and Excel spreadsheet versions of Congressional Budget reports are available shortly after postings on Thomas (Library of Congress) Web site.



Collection Descriptions Cont'd

- **DoD Labs and S&T** - Allows users to query the DoD laboratory community or other sites identified as related to S & T organizations.
- **DTIC Online** - This search queries the DTIC Online Public Web site.
- **NDIA** - National Defense Industrial Association Conference Proceedings. Collection of presentations from NDIA-sponsored conferences.
- **SCAMPI** - Staff College Automated Military Periodical Index. Database of articles on military and naval science, operational warfare, joint planning, national and international politics, and other areas researched by Joint Forces Staff College from 1985 to present.
- **WHS** - Washington Headquarters Service. Department of Defense (DoD) Issuances (current and cancelled), Joint Staff and other U.S. Military (i.e., Army, Navy, Air Force) service publications, Administrative Instructions, Directive-Type Memorandums and DoD Forms.





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Dopplar radar

[PDF] [Radar Measurement of Waves and Currents in the Nearshore Zone](#)

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[PDF] [Radar Remote Sensing of Waves and Currents in the Nearshore Zone](#)

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[PDF] [DOPPLER SPECTRAL CHARACTERISTICS OF AIRCRAFT RADAR TARGETS AT S-BAND](#)

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... 07- 5⁰⁰ 2? GMT Fig. 10 - Radar doppler-range display with an associated target identification table. The ordinate f_d is the **doppler** frequency in hertz. ...

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Links Find pages that link to the page



Results Page

Search

Results 1 - 10 of about 45 for "identification of chemical warfare agents". Search took 0.28 seconds

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[APPLICABILITY OF CAPILLARY GAS CHROMATOGRAPHY TO THE IDENTIFICATION OF CHEMICAL WARFARE AGENTS AND SIMULANTS BY MEANS OF RETENTION INDICES.](#)

... APPLICABILITY OF CAPILLARY GAS CHROMATOGRAPHY TO THE IDENTIFICATION OF CHEMICAL WARFARE AGENTS AND SIMULANTS BY ...
www.dtic.mil/docs/citations/ADD751720 - 2k - [Cached](#)

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... METHODS FOR THE DETECTION AND IDENTIFICATION OF CHEMICAL WARFARE AGENTS IN AQUEOUS CARRIERS. ...
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[RETENTION INDICES FOR THE IDENTIFICATION OF CHEMICAL WARFARE AGENTS. \(RETENTIONSINDIZES ZUR IDENTIFIKATION CHEMISCHER KAMPFSTOFFE\)](#)

Accession Number : ADD750195. Title : RETENTION INDICES FOR THE IDENTIFICATION OF CHEMICAL WARFARE AGENTS. ...
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[\[PDF\] Analysis of Chemical Warfare Agents: General Overview, LC-MS Review, In-House LC-ESI-MS Methods and Open Literature Bibliography](#)

... of analytical methods such as liquid chromatography-mass spectrometry (LC-MS) for the detection and **identification of chemical warfare agents.** ...

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(Manuscript received 27 March 2009, in final form 26 June 2009)

ABSTRACT

A portable compact **airborne** scanning lidar system based on the Riegl LMS-Q240i has been developed and its functionality demonstrated for oceanographic and coastal measurements. Differential GPS (DGPS) and an inertial navigation system are synchronized with the lidar, resulting in vertical rms errors of less than 9 cm. Surveys with this **airborne** system are compared with ground-based DGPS surveys of fixed targets. Measurements of the southern California coastline and nearshore surface wave fields from 17 research flights between August 2007 and December 2008 are analyzed and discussed. The October 2007 landslide on Mt. Soledad in La Jolla, California, was documented by two of the flights. The topography, lagoon, reef, and surrounding wave field of Lady Elliot Island in Australia's Great Barrier Reef were measured with the airborne scanning lidar system on eight research flights in April 2008. Applications of the system, including coastal topographic surveys, wave measurements, ship wake studies, and coral reef research, are presented and discussed.

1. Introduction

Airborne scanning light detection and ranging (lidar) is widely used as a mapping tool for a variety of applications. Coastal and nearshore ocean surveys in particular do not require the range or capability of larger aircraft, so there is an incentive to develop smaller, lighter, and cheaper lidar systems that can be used in small single- or twin-engine aircraft.

Spatiotemporal measurements of ocean wave fields have been made by Hwang et al. (2000), Melville et al. (2005), and Romero and Melville (2010a), using the Airborne Topographic Mapper (ATM), a conically scanning lidar developed by NASA and F3&C Technical

a class 4, 550-nm laser with a pulse repetition rate (PRF) of 5 kHz. Operating at an altitude of 400 m with a conical scan rate of 20 Hz and off-nadir angle of 1.58, it has a point spacing of approximately 5 m along track and 2.5 m cross track (Romero and Melville 2010a). The vertical rms error of the ATM is estimated at 15 cm (Sallenger et al. 2003).

Coastal erosion due to seasonal wave and storm activity has been quantified in many studies with several different **airborne** lidar systems. Robertson et al. (2007) measured beach erosion caused by Hurricane Ivan using three systems: the Optech **Airborne** Laser Terrain Mapper (ALTM) 1233, NASA Experimental Advanced **Airborne** Research Lidar (EAARL), and Optech Scanning Hydro-

Search terms highlighted

Results Cached Citation

Accession Number : ADD853968

Title : **Water** Jet and Abrasive **Water** Jet Cutting of Unidirectional Graphite/Epoxy Composite.

Descriptive Note : Journal article,

Corporate Author : WASHINGTON UNIV SEATTLE

Personal Author(s) : Ramulu, M. ; Arola, D.

Report Date : 1993

Pagination or Media Count : 10



Search terms highlighted

Abstract : Unidirectional graphite/epoxy composite material has been machined by **water** jet and abrasive **water** jet cutting processes. Topography and morphology of the machined surfaces were evaluated with surface profilometry and scanning electron microscopy. The surface characteristics in terms of roughness and the micro-mechanisms of material removal for both processes were analysed and compared. Abrasive **water** jet surface characteristics of graphite/epoxy were found to be significantly different from those of the **water** jet cutting process and micromechanical behaviour of material removal was strongly dependent on the fibre orientation. Copyright: Butterworth-Heinemann Ltd. : United Kingdom, Jun 1993

Subject Categories : LAMINATES AND COMPOSITE MATERIALS
MECHANICS

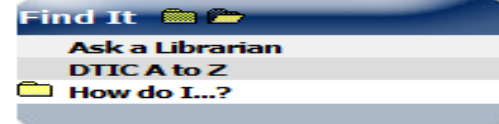
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This document introduces basic search concepts, and describes advanced techniques that produce more efficient search results. **Search terms are highlighted** in the text version of the document to help you quickly find the most relevant text within documents. When only the citation is available for a document, the search terms will be highlighted in the "cached" citation.



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- Using "OR" Operator
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- Stemming
- Refining Your Search
- Exclusion Words
- Phrase Searches
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