

# 76<sup>th</sup> Shock & Vibration Symposium

## Author's Package

*An Abstract Volume will be published for distribution at the Symposium.*

*(Unless requested otherwise, all abstracts will be published in the abstract volume)*

*All papers with releases submitted by October 9, 2005 due date will be published on CD-ROM.*

Please find enclosed the following required forms for attendance and paper publication:

1. Registration form
2. Security Clearance form
3. Publication Release form
4. Speaker Information/AV form (**must be sent to session chair**)
5. Speaker Guidelines
6. PowerPoint Presentation Guidelines
7. Manuscript Preparation Guidelines
8. pdf File Instructions
9. *Shock & Vibration and Critical Technologies Journals Option*

In order to receive the discounted price, please return your registration form to SAVIAC before October 9, 2005. It is the author's responsibility to obtain all necessary clearances and releases from the sponsor regarding the material to be presented. In addition, it is the author's responsibility to mail the speaker information form directly to his/her session chair. The address of the session chair is provided.

Instructions for formatting your paper are enclosed. Papers must be camera-ready originals ready to be scanned for CD-ROM publication or provided as modifiable .pdf files. Pdf's should be named as your paper number.

**Unclassified and Limited Distribution** papers may be sent directly to:

SAVIAC/HI-TEST Labs Inc.  
5136 Celestial Way  
Columbia, MD 21044

**Classified** papers must be sent to our Security Office at:

Attn: Security Officer  
HI-TEST Laboratories Inc.  
PO Box 87  
Arvonion, VA 23004

# Registration Form

76<sup>th</sup> Shock and Vibration Symposium

October 30 – November 4, 2005

New Orleans, LA

return to:  
SAVIAC/ HI-TEST Labs  
5136 Celestial Way  
Columbia, MD 21044  
(301) 596-0100  
fax: (301) 596-6400

Name: \_\_\_\_\_

Organization: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_

**REGISTRATION FEE: \$845 (Discounted price of \$745 granted to registrations, INCLUDING PAYMENT INFORMATION, if received by SAVIAC by October 9, 2005)**

**I WILL BE ATTENDING (Check all that apply, send appropriate clearance form to US Army ERDC)**

- Unclassified  Classified

**TUTORIALS: \$250 each/\$350 if not attending Symposium (See the policy on Symposium attendance prior to registering) Sunday, Oct 30**

- |   |         |
|---|---------|
| <input type="checkbox"/> Theoretical background and best practice using DDAM – Tony Abbey   | 8-11 AM |
| <input type="checkbox"/> Beyond the Shock Spectrum - Temporal & Frequency Moments, the Product Model, & Uncertainty – Dave Smallwood      | 8-11 AM |
| <input type="checkbox"/> UNDEX Analysis – Fred Costanzo & Ray Daddazio  | 8-11 AM |
| <input type="checkbox"/> Dynamic Pressure Measurements for Munitions, Ordnance, and Other Testing: Part Science and Part Art – Pat Walter | 8-11 AM |
| <input type="checkbox"/> DDAM Using MSC Software Tools – Bart Mcpheeters  | 12-3 PM |
| <input type="checkbox"/> TBD – Tim Edwards  | 12-3 PM |
| <input type="checkbox"/> Calibration, Maintenance and Operation of the LWSM & MWSM – Chris Grunau & Jeff Morris                           | 12-3 PM |
| <input type="checkbox"/> Data Validation and Editing – Allan Piersol  | 12-3 PM |
| <input type="checkbox"/> Productive DDAM Analysis Using ABAQUS – David Winkler  | 4-7 PM  |
| <input type="checkbox"/> Basis of Elementary Shock Isolation System Design – D. Christopher Merrill                                       | 4-7 PM  |
| <input type="checkbox"/> ESS, HALT & Hass – Wayne Tustin  | 4-7 PM  |
| <input type="checkbox"/> Introduction to Vibration Testing – Jon Wilson   | 4-7 PM  |

**Monday, Oct 31**

- |   |         |
|---|---------|
| <input type="checkbox"/> An Introduction to ABAQUS – Karl D'Souza   | 8-11 AM |
| <input type="checkbox"/> Review of Structural Dynamics – Josh Gordis  | 8-11 AM |
| <input type="checkbox"/> Naval Shock Analysis & Design – Rudy Scavuzzo                                      | 8-11 AM |
| <input type="checkbox"/> Blast Resistant Structural Connections and Detailing – Ted Krauthammer             | 8-11 AM |
| <input type="checkbox"/> The Measurement and Utilization of Valid Shock and Vibration Data – Patrick Walter | 8-11 AM |
| <input type="checkbox"/> Non-Linear FE Analysis for Shock and Vibration – Tony Abbey                        | 12-3 PM |
| <input type="checkbox"/> Shock and Vibration Analysis Using MATLAB – Kjell Ahlin                            | 12-3 PM |
| <input type="checkbox"/> Overview of Underwater Shock and DDAM – Young Shin                                 | 12-3 PM |
| <input type="checkbox"/> A Primer On Explosion Effects In the Air, Water, and Soil – Bob Welch              | 12-3 PM |
| <input type="checkbox"/> UNDEX and Acoustic Analysis with ABAQUS – Jeff Cipolla                             | 4-7 PM  |
| <input type="checkbox"/> Damping Analysis and Technology – Jack Henderson, Peter Torvik & Ahid Nashif       | 4-7 PM  |
| <input type="checkbox"/> Application of the USA Code to Underwater Shock Problems - John DeRuntz            | 4-7 PM  |
| <input type="checkbox"/> Blast Effects and Blast Resistant Design – Ted Krauthammer                         | 4-7 PM  |

**SOCIAL EVENT:** Wednesday evening, Registered attendee: no charge/Guest charge: \$10

- yes, I will attend  yes, I will attend with 1 guest  no, I will not attend

**GUESTS' PROGRAM:**

Tues Plantation Tours & Lunch  
Wed Garden District & Shopping on Magazine St  
Thur New Orleans Unmasked, Longue Vue House

- guest attending Tues (11/1): \$40  
 guest attending Wed (11/2): \$32  
 guest attending Thur (11/3): \$30

**TOUR:** Friday 11/4 NSWCDD/Dam Neck  yes (indicate # of persons) \_\_\_\_\_ Names: \_\_\_\_\_

**TOUR RESTRICTED TO US CITIZENS AND SYMPOSIUM ATTENDEES**

**By registering for the Symposium you are agreeing to abide by the rules and regulations of Symposium conduct set by SAVIAC. These rules are available for viewing at [www.saviac.org](http://www.saviac.org)**

**PAYMENT INFORMATION: Please provide complete payment information.** Checks should be made payable to SAVIAC/HI-TEST. Payment may also be made by AMEX, Visa, or Master Card. Purchase orders are not accepted. Bank transfer fees are the responsibility of the attendee. **A \$50 administrative fee will be charged to ALL cancellations received after October 9, 2005. Substitutions are accepted.**

- Check  AMEX  Visa  Master Card Card # \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

Exp. Date \_\_\_\_\_ Cardholder Name (print): \_\_\_\_\_

AMOUNT PAID \_\_\_\_\_ Cardholder Signature: \_\_\_\_\_

**PLEASE FAX FORM & CREDIT CARD INFO TO (301) 596-6400 BY OCTOBER 9, 2005 TO RECEIVE DISCOUNT**

**YOU MAY ALSO REGISTER ON THE WEB AT [www.saviac.org/76\\_symposium.htm](http://www.saviac.org/76_symposium.htm)**

# CLEARANCE FORM FOR CLASSIFIED SESSIONS

## 76<sup>th</sup> Shock & Vibration Symposium

### New Orleans, LA

<b>FAX Copy To:</b>	ERDC Security ATTN: Linda McGowan (601)-634-3897 or 2995 (FAX) (601)-634-4218, 3527, or 2776 (Verification)
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Put my name on distribution for the (check appropriate box(es))

Limited Proceedings
  Critical Technologies Journal

**PART I: PERSONAL DATA** (To Be Completed By Attendee)

**Name:** \_\_\_\_\_ **Social Security No** \_\_\_\_\_  
 (Last) (First) (Initial)

**Place of Birth:** \_\_\_\_\_ **Citizenship:** \_\_\_\_\_ **Date of Birth:** \_\_\_\_\_

**Employer (Company/Gov't Agency/Military):** \_\_\_\_\_

**Employer's Address:** \_\_\_\_\_

**Classified Mailing Address:** \_\_\_\_\_

**Email:** \_\_\_\_\_ **Phone No:** ( ) - \_\_\_\_\_ **Fax No:** ( ) - \_\_\_\_\_

**Signature of Attendee:** \_\_\_\_\_

**PART II: SECURITY CLEARANCE INFORMATION** (To Be Completed By The Attendee's Security Officer)  
 By signing below, I certify the attendee meets the requirements for access to classified material in accordance with Executive Order 12958, DoDR 5200.1-R, and DoDM 5220.22M (as applicable).

**Clearance Level:** \_\_\_\_\_ **Investigation Type:** \_\_\_\_\_

**Date Clearance Granted:** \_\_\_\_\_ **Date of Investigation:** \_\_\_\_\_

**Granted By:** \_\_\_\_\_ **Authorized NATO Access:** \_\_\_\_\_  
 (Yes / No)

**Security Officer**  
 Name (Print): \_\_\_\_\_ (Last) (First) (Initial)

**Title:** \_\_\_\_\_ **Organization:** \_\_\_\_\_

**Phone No:** ( ) - \_\_\_\_\_ **Fax No:** ( ) - \_\_\_\_\_

\_\_\_\_\_  
**Signature of Security Officer** **Date**

**PART III: NEED-TO-KNOW (Contractors Only)** (To Be Completed By The Government Contracting Activity Officer)  
 By signing below, I certify the attendee has the NEED-TO-KNOW to attend the classified portions of this symposium in accordance with Executive Order 12958, DoDR 5200.1-R, and DoDM 5220.22M (as applicable).

**Name (Print):** \_\_\_\_\_ (Last) (First) (Initial)

**Title:** \_\_\_\_\_ **Organization:** \_\_\_\_\_

**Phone No:** ( ) - \_\_\_\_\_ **Fax No:** ( ) - \_\_\_\_\_

\_\_\_\_\_  
**Signature of Contracting Activity Officer** **Date**

**PRIVACY ACT STATEMENT**

*AUTHORITY: DoD 5200.1-R, para 6-202*  
**PRINCIPAL PURPOSE:** To identify persons seeking approval to attend classified meetings during the symposium listed above.  
**ROUTINE USES:** Information contained hereon is used for reviewing the request to attend the classified briefings during the symposium. Also used to certify the individual attendee's security clearance and access authorization.  
**DISCLOSURE IS VOLUNTARY:** Failure to provide the information will result in disapproval of the request to attend classified briefings.

# PUBLICATION RELEASE FORM

## 76<sup>th</sup> Shock & Vibration Symposium

October 29 – November 3, 2005

New Orleans, LA

Title of Paper \_\_\_\_\_

Author(s) \_\_\_\_\_

**Note:** You may substitute your own organization's release form if desired. If this form is used, Block 1 or 2 must be completed by the author and his sponsoring activity.

**1**

The work presented was performed in or for the following U.S. Government agency (give full name, designation of cognizant office, mail address and telephone number):

\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
Signature of Principal Author

\_\_\_\_\_  
Signature of Authorized Official of Author's Employer

\_\_\_\_\_  
Typed Name and Title

\_\_\_\_\_  
Date

\_\_\_\_\_  
Name and Address of Activity

### CERTIFICATION BY SPONSORING U.S. GOVERNMENT AGENCY

This paper is approved for publication and distribution by SAVIAC in the Public Release/Classified/Limited Distribution Proceedings (as applicable).

- This publication is UNCLASSIFIED. It is approved for PUBLIC RELEASE.
- This publication is UNCLASSIFIED. Distribution is LIMITED to U.S. Government agencies and their contractors approved to receive critical technology information (Distribution Statement C applies).
- This publication is CONFIDENTIAL. Distribution is LIMITED to U.S. Government agencies and their contractors with approved security clearance and facility storage capability.
- This publication is SECRET. Distribution is LIMITED to U.S. Government agencies and their contractors with approved security clearance and facility storage capability.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Releasing Official

\_\_\_\_\_  
Typed Name and Address of Releasing Official

**2**

The work presented had no U.S. Government support and is not subject to review by any U.S. Government agency. This paper is approved for publication and distribution by SAVIAC in the Proceedings for public release.

\_\_\_\_\_  
Signature of Authorized Official of Author's Employer

\_\_\_\_\_  
Signature of Principal Author

\_\_\_\_\_  
Typed Name and Title

\_\_\_\_\_  
Date

\_\_\_\_\_  
Name and Address of Activity

RELEASE MUST BE SUBMITTED TO SAVIAC BY OCTOBER 9, 2005

# 76<sup>th</sup> Shock & Vibration Symposium

## Speaker Information/ AV

*This form must be mailed/faxed to your session chair if you did not provide the information when you submitted your abstract or if the information has changed. Any special equipment requests must be stated here, so that SAVIAC may work with you on accommodating your request.*

Name \_\_\_\_\_ Paper No. \_\_\_\_\_

Speaker's Introduction: Please provide some background information on yourself for use in your introduction, i.e. education, major technical experience, current employer and position.

Audiovisual equipment requirements

- Overhead Projector (vu-graphs)
- Slide Projector (35 mm)
- PowerPoint Presentation (see PowerPoint guidelines)

Classified presentation material storage needed:       yes       no

**Material must arrive at the address below one week prior to the symposium**

Classified presentation material should be sent to:

ATTN: Linda McGowan  
HOLD UNOPENED FOR SAVIAC 76<sup>th</sup> Shock & Vibration Symposium  
ERDC Vicksburg Site Security Manager  
3909 Halls Ferry Road  
Vicksburg, MS 39180-6199

**Verification number: (601) 634-4829**

**THIS FORM MUST BE MAILED/FAXED DIRECTLY TO YOUR SESSION CHAIR**

# 74<sup>th</sup> Shock & Vibration Symposium

## Speaker Guidelines

### ***PRESENTATION DAY SCHEDULE***

Be sure you know which day you are scheduled to present your paper, the session you have been assigned to and the Chair of your session. All presenters and Chairs are required to meet for a briefing at 7:30 AM on the day of their scheduled presentation and/or session. If you are presenting your paper on Wednesday, AM or PM, you are to attend the Wednesday morning briefing. If you are a Chair on Thursday, you need to attend the Thursday morning briefing. The location of the meeting room for each morning will be posted on the announcement board at the Symposium.

### ***PREPARATION***

Nothing can take the place of organizing and rehearsing your presentation. Formulate your thoughts for oral presentation while preparing your paper. First, keep in mind your time limit: full paper presentations will be given 15 minutes with 5 minutes for discussion, short topic presentations are allowed 10 minutes. There will be a timer and the Chair of the session will enforce the time limit. Be sure you prepare an introduction to your project or study, letting your audience know what you will be talking about. Present your methods of design, analysis or test and then report your results. The conclusion should only contain the most important points. In summary, restate very briefly the presentation you have just given. Try to keep your main points to five or six, and then elaborate on them in as few words as possible. Use 3x5 cards for key ideas and reminders - just remember they are only there for a quick glance. ***Do Not Read Your Paper.*** Rehearse just before you leave home and in your hotel room the morning before your scheduled time.

Before your session begins, take a good look at the meeting room, check the audio/visual equipment, familiarize yourself with any signals, signs or anything else you would have to deal with while presenting your paper. Know your surroundings; it will make you feel more comfortable.

### ***A/V MATERIALS***

It is effective to have only one or two visual aids for each of your major points. One slide per minute as a rule - no more. Make the material as simple as possible avoiding equations and text on visuals. However, if an equation or formula is critical to your presentation, then display it; but refer the audience to your paper for review of steps taken to arrive at the results. The audience should be able to grasp the meaning of your visual aid in just a few seconds. You should use only one visual aid for your conclusions and recommendations and try to limit the items on this visual to three or four. Photographs of people relating to your project or of equipment being tested or used ads interest to your presentation.

Ensure that your viewgraphs or slides are clear and project well to the audience. View your material from a distance as if you were part of the audience. Test your material well in advance of the Symposium.

### ***POWER POINT PRESENTATIONS***

Please see the attached sheets on guidelines for PowerPoint presentations. All presentations must be brought on CD or a floppy or zip disk and loaded beforehand at the Author / Chair meeting on the morning of the day of your session.

### ***YOUR PRESENTATION***

Now that you have done all you can to prepare for your presentation, here you are - in front of the audience - ready to deliver! Look at them - do not look off or read your notes, just a glance should stimulate your thoughts. Target some people in the back of the room to talk to, then you're sure of being heard throughout the meeting room. Be sure to make eye contact with different people from time to time and take care not to shift your eyes too quickly. Move around if you can, change your position slightly - the audience will feel your comfort and confidence.

# PowerPoint Presentations

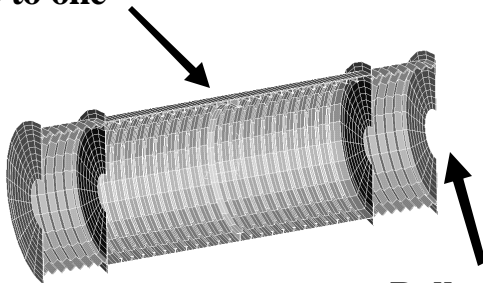
## Guidelines (Mandatory):

- Your presentation must be brought on CD. **Bringing your own laptop is not allowed.** Please do not submit your presentation to SAVIAC to hold for the symposium.
- You must attend author/ chair meeting on morning of your session to load your presentation. Presentations may NOT be loaded during the session.
- All authors must have a backup plan in case their presentation does not work.
- Use only IBM format, PowerPoint 97 and above.
- Label all presentations with your paper number. For example: U27.ppt
- All linked files should be placed in a common directory (your session name should be the label of this folder). For example, the files U27.ppt and U27movieclip.avi should be placed in the UNDEX folder. To minimize configuration problems, it is recommended to send all .avi files to SAVIAC in advance for testing. This does not suggest that SAVIAC will keep your file stored for your presentation. PLEASE be sure to bring your presentation with you to the symposium.
- Use the “Embed fonts” save option to ensure that your chosen fonts show up.

## Suggestions:

- Use standard true type fonts. Recommended: Arial because it is easy to read from a distance.
- Use minimum of 24 point font size, use bold, italic, or color for emphasis.
- Use one chart per slide, one thought per slide, one slide per minute of presentation.
- Use slides to help listeners remember a fact- do not write your whole presentation on slides!!
- Do not use sounds, this can be very distracting to listeners.
- Fill up the slide even if it means using extra spaces.
- Label all charts and graphs clearly (see example below):

**Fluid Elements  
over laid one to one**



**360 Degree Model**

**Ballast tank  
Water Modeled  
Solid Elements**

**Please call Jeff Morris with  
questions or concerns at  
(434) 581-3204, or e-mail  
jeff.morris@hitestlabs.com.**

1 in. ↓

Line 2 **Author's Instructions for Manuscript Preparation**  
**76<sup>th</sup> Shock & Vibration Symposium**

John Smith  
USAE Research and Development Center  
3909 Halls Ferry Road  
Vicksburg MS 39180  
(601) 634-1234

Line 17 These are the instructions for formatting your manuscript for the Proceedings of the 75<sup>th</sup> Shock & Vibration Symposium. The paper should start with an abstract that is indented. The abstract should contain no more than 100 words. Do not place a block around the abstract. After the abstract, leave three lines before beginning your introduction.

1.75 in. →

----- 1  
----- 2  
----- 3

**INTRODUCTION**

1 in. →

← 1 in.

The following directions are presented in order to make the *Proceedings* as uniform in appearance as possible for publication on CD-ROM. Your cooperation in providing a properly formatted, camera-ready manuscript will ensure a quality product and one that conforms to the *Journal* format.

**TYPING THE PAPER**

- Limit the length of your paper to approximately 10 pages.
- Use standard 8½ by 11-inch paper.
- Single space the manuscript
- Use 10-point, serif typeface, preferably Times (serifs are the small lines that stem from the tops and bottoms of characters, as seen on these letters)
- **DO NOT** number your pages on the front. In blue pencil, write your name and the page number in order on the back of each page.
- Fully justify the text.

**HEADINGS**

Headings should be centered, capitalized and bold faced, as illustrated in these directions. Do not number any headings or sections.

**MARGINS**

The manuscript should have one-inch margins - left and right, top and bottom.

1 in. ↑

## FIGURES AND TABLES

Figures and tables should be placed into the manuscript as close as is practical to the point where they are referenced - not at the end. Refer to tables and figures in the text by number (e.g. Table IV or Fig. 4).

Figures: Illustrations should be numbered consecutively in a single series throughout the paper and should have appropriate titles. Type figure numbers and titles directly on the pages, immediately below the area the illustrations will occupy. Label captions should be the same size as the text type.

All figures should be good quality - not hand sketched. Figures may be placed side by side or have text wrapped around them.

Line drawings: Line drawings must be drawn clearly in black ink. Lettering of graphs and figure labels should be placed above the table.

## EQUATIONS

Equations should be numbered consecutively with the number appearing in parenthesis, flush-right to the margin. In the text, refer to equations by number and keep the number in parentheses. For example: see Eq. (4). Please note that an abbreviation, if it is the first word of the sentence, should be spelled out.

## FOOTNOTES

Material intended for footnotes should be inserted in the text as parenthetical material whenever possible.

## REFERENCES

References should be cited in the text by placing Arabic numerals in brackets [4] immediately after the reference, author's name or the relevant statement. All references must be cited; any not cited must be placed in a bibliography which should follow the reference section. Give all bibliographic information necessary for complete identification: author, title, place, and date of publication. References and bibliography should appear on the last page of the paper. References must be complete and include author's initials, title of paper or book, name of journal, year of publication, volume and pages on which the article appears. Book references must include year of publication, publisher and city of publication. Anthologies and collections must include names of editors and pages on which the reference appears. Books in a series must include series title and number/volume if applicable.

### *Journal Articles*

Jones, A.B., "Measuring Vibration of Aircraft in Flight," *Journal of Environmental Testing*, 1957, Vol. 37, pp. 17-26.

### *Books*

Gray, H.L., 1963, *Testing Electronic Components*, McGraw Hill, New York.

### *Chapter in Book*

Pilkey, D.F., "Happy Conservation Laws," in J. Frost, *Neural Stresses*, 1995, Controlled Press, Georgia, pp. 332-391.

### *Reports*

Little, H.F., 1952, "A Wide-Band Radar Receiver," NRL Rept. 1234.

## SUBMITTING YOUR PAPER

Preferred method of submission is an electronic PDF. If you are unable to submit your paper electronically please send a paper copy. **PLEASE DO NOT STAPLE YOUR PAPER!**

**ADDITIONAL INSTRUCTIONS FOR**

**UNCLASSIFIED - LIMITED DISTRIBUTION PAPERS**

Unclassified papers with limitations on their distribution do not require any special classification markings on internal portions (sections, parts, paragraphs or subparagraphs) of the papers. However, such papers must have the distribution limitation statement across the bottom of the first page. An example of Distribution Statement C is shown below.

**SAMPLE STATEMENT**

Distribution authorized to US Government Agencies and their contractors (critical technology), October 2003. Other requests for this document shall be referred to the US Army Engineer Research and Development Center, 3909 Halls Ferry Road, Vicksburg, MS 39180.

\*Note: Please use the term "paper" vice "document" to make clear that the distribution statement you provide applies to your paper only.

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**ADDITIONAL INSTRUCTIONS FOR**

**CLASSIFIED MANUSCRIPTS**

Manuscripts shall be prepared in accordance with the "Author's Instructions for Manuscript Preparation" with the addition of classification markings as described below. All items such as pages, paragraphs, etc., must be individually marked with their classification level, e.g. (U), (C), or (S).

**TITLES**

Titles of papers shall be unclassified and will bear a capital (U) in parentheses at the end of the title, i.e. (U).

**ABSTRACTS**

Abstracts shall bear the appropriate classification, (U), (C), or (S) in parentheses to the left of the first word of the abstract.

**PAGE CLASSIFICATION MARKINGS**

Each page: Mark the text pages at the top and bottom either with the overall classification of the paper or with the classification of the individual page. When exercising the individual page option, both sides of the page must be marked with the highest classification of either side as they will appear in printed form. Assume your paper will begin on a right-hand page. The side with the lower classification should be indicated at the bottom with the statement "This page is Unclassified" or other classification as appropriate. The markings must be centered and placed 1/2 inch from the top and **one inch from the bottom** of the page. All the markings must be of the same size and larger than the type size used for the text.

Please do not place the classification statement below the 1-inch bottom margin; that is where the page number will be placed.

## **PARAGRAPHS**

All paragraphs, their headings and their subheadings must bear a classification, i.e. (U), (C), or (S).

Beginning of paragraph: Place the appropriate classification (U), (C), or (S) to the left of the first word of the paragraph.

Continuing a paragraph: If a paragraph runs over to the next page, place the appropriate classification (U), (C), or (S) to the left of the first word of the continued paragraph on the new page.

Numbered paragraph: For numbered headings or subheadings, place the appropriate classification (U), (C), or (S) in parentheses between the numeral and the first word of the heading or subheading.

## **FIGURES, CAPTIONS, TABLES, GRAPHS, CHARTS, ETC.**

All figures, captions, tables, graphs, charts and similar items must bear a classification.

The classification of the figure (tables, etc.) itself will appear beneath the figure. If a caption or title is used, its classification will be placed to the left of the first word of the caption or title, after the dash, e.g. Fig. 1 - (U) First word.

## **CLASSIFICATION AUTHORITY AND DECLASSIFICATION DATE**

Classification authority and declassification data must be shown at the lower left of the first page of the manuscript.

# Submit your Paper as a PDF!

SAVIAC prefers that authors now submit their papers in **PDF** format.

The **PDF** should be created in Adobe Acrobat 4.0 or higher, and sent on a disk (floppy, CD or Zip). SAVIAC will publish the proceedings on CD in PDF format. Please name your pdf using the paper number assigned to you in your acceptance letter, i.e, U-001, L-01, C-01, S-01, etc.)

Any questions please contact Joel Leifer:  
(301) 596-0100 or  
email [joel.leifer@saviac.org](mailto:joel.leifer@saviac.org)



July 12, 2005

Memo to: Authors, 76<sup>th</sup> Shock & Vibration Symposium

Subject: *Shock & Vibration Journal* and the *Journal of Critical Technology in Shock & Vibration*

Each year all authors who present their paper at the annual Shock & Vibration Symposium and submit the same to SAVIAC have their paper published in the *Symposium Proceedings*. In addition to the *Proceedings*, unclassified papers may be submitted for publication in the *Shock & Vibration Journal* and limited distribution papers may be submitted for publication in the *Journal of Critical Technology in Shock & Vibration*.

All authors are encouraged to submit their papers for consideration to be published in either of these journals. The *Shock and Vibration Journal*, edited by Prof. Daniel Inman of Virginia Tech and the *Journal of Critical Technology*, edited by Dr. Walter Pilkey of the University of Virginia, provide a resource specifically for the shock and vibration community in which high-quality work is recognized and published in an archival quality setting. All articles submitted will be reviewed by a board of editors before publication.

The *Shock & Vibration Journal* is published bi-monthly. Everyone who attends the Shock & Vibration Symposium receives a one-year subscription. The *Journal of Critical Technology in Shock & Vibration* will be published semiannually. Everyone who submits a security clearance form to SAVIAC to receive the classified proceedings will receive a subscription to the journal. To submit your paper for consideration, please contact:

***Shock and Vibration Journal***

Professor Daniel J. Inman  
Director and Endowed Professor  
Center for Intelligent Material System and Structures  
Blacksburg VA 24061-0261

Phone: (540) 231-4709  
Fax: (540) 231-2903  
E-mail: [dinman@vt.edu](mailto:dinman@vt.edu)

***Journal of Critical Technology***

Dr. Walter Pilkey  
University of Virginia  
Department of Mechanical Engineering  
Thornton Hall  
Charlottesville VA 22901

Phone: (434) 924-3291  
Fax: (434) 982-2037  
E-mail: [wdp@virginia.edu](mailto:wdp@virginia.edu)