Guidelines for DD&R Summary Preparation

INTRODUCTION

These guidelines are intended to assist you with preparation of your electronic camera-ready summary. Please understand that ANS will not edit or proofread your submitted summary.

HOW TO SUBMIT YOUR SUMMARY

All manuscripts are to be submitted electronically using Adobe Acrobat (PDF) files and the ANS electronic review system.

LENGTH

Use at least 900 words, excluding tables and figures. Use not more than 1,300 words, including tables and figures. Count tables and figures as 150 words each. Use no more than three tables or figures. Limit title to ten words; limit listing authors to three or fewer if possible. Exclude references from word count.

MANUSCRIPT FORMAT

Type Specifications

All type and illustrations should appear within designated margins—dimensions are 7 inches (178 mm) by 9 inches (229 mm). Ten-point type with single spacing is required. Use Times New Roman typeface or an equivalent. Do not insert page numbers on your paper.

Paragraphs

Indent each paragraph ¼ inch. Single-space your text in two-column format. Your equations, figures, and tables do not need to comply with the two-column format. In other words, equations, figures, and tables may span the columns.

Title of Paper

Center the title, which should be initial capital letters (i.e., capitalize the first letter of each significant word). Use Times New Roman typeface and boldfaced font style. Skip one line; then begin author information.

Author(s)

Center the name(s) of author(s), which should be initial capital letters (i.e., capitalize the first letter of each name) and Times New Roman typeface. Skip one line; then begin affiliation information.

Affiliation(s)

Use initial capital letters (i.e., capitalize the first letter of each significant word). Using italic type, center the affiliation, street address/box number, city-state-zip, and e-mail address.

CONTENT

Introduction

The introduction states the purpose of the work. **INTRODUCTION** is the first heading of the summary. It is a level-A heading (see explanation below).

Description of the Actual Work

The work must be new and significant. **DESCRIPTION OF THE ACTUAL WORK** is a level-A heading (see explanation below).

Results

The results are listed, and their significance is discussed. **RESULTS** is a level-A heading (see explanation below).

Headings

Heading A: Major Topic Headings (First-Level Heading)
Use all capital letters, boldfaced font style, and Times New Roman typeface. Level A heading is flush left. Skip a line; indent paragraph ¼ inch.
Example: **APPLICATION TO TRANSIENT IDENTIFICATION**

Heading B: First Subheading (Second-Level Heading)
Use initial capital letters (i.e., capitalize the first letter of each significant word) and boldfaced font style. Skip a line; indent paragraph ¼ inch.
Example: **Experimental Database**

Heading C: Second Subheading (Third-Level Heading)
Use initial capital letters (i.e., capitalize the first letter of each significant word) and italic type. Skip a line; indent paragraph ¼ inch.
Example: *Design of the Facility*

ENDNOTES

Endnote citations in the text should be superscript numbers, outside any period or comma. Type the list of endnotes at the end of the text, before the reference listing. **ENDNOTES** is a level-A heading (see explanation above).

REFERENCES

Any references must be closely related published works. Minimize the number of references. Do not present a bibliographical listing. **REFERENCES** is a level-A heading (see explanation above). All references should be cited in the text in numerical order, in order of appearance, as an arabic number enclosed within brackets. The reference listing appears at the end of the summary, in numeric order. Include the following information (as applicable):

For a book: author(s) (all capital letters), book title (initial capital letters [i.e., capitalize the first letter of each significant word], italic type), page or chapter numbers, publisher, city, year (in parentheses).

For a journal paper: author(s) (all capital letters), paper title (initial capital letters [i.e., capitalize the first letter of each significant word], Times New Roman typeface, in quotes), journal name (initial capital letters [i.e., capitalize the first letter of each significant word], italic type), volume number (boldfaced), issue numbers (italic print), page number (first page of journal paper), year (in parentheses).

For a proceedings paper: author(s) (all capital letters), paper title (initial capital letters [i.e., capitalize the first letter of each significant word], italic type), title of proceedings ("*Proc*. ...") (initial capital letters [i.e., capitalize the first letter of each significant word], italic type), location of proceedings, date(s) of proceedings volume number ("Vol. ..."), page number ("p. ..."), publisher, year (in parentheses).

Authors are referred to any recent issue of *Nuclear Science and Engineering* for examples of format and general style of references.

EQUATIONS

Displayed formulas should have one line of space above and below. Type equation numbers in arabic numerals in parentheses flush with the right margin. Number displayed equations consecutively.

UNITS OF MEASURE

Use SI units. Conventional (non-SI) quantities may follow parenthetically if the author desires.

TABLES

Tables should be designed to fit one- or two-column widths (85 and 173 mm, respectively). The height of lower-case letters should not be less than 1.5 mm after reduction; thus, a figure or a table that must be reduced to one-third its original size should have lower-case letters at least 4.5 mm high. Each table must be numbered consecutively with Roman numerals and must have a complete title. Tables must be cited in text.

FIGURES

Figures should be high-quality graphics, line drawings, or black-and-white photographs, with the axes, curves, components, equipment, or other items of interest clearly labeled. Figures should be consecutively numbered in Arabic numerals in the order they are called out in the text. A descriptive caption must be prepared for each figure and placed at the bottom of the figure.

FIGURE CAPTIONS

Figure captions should be flush left, with the following format:
Fig. 1. Calculated X-ray intensities.

APPENDIXES

Appendixes should precede the references. **APPENDIXES** is a level-A heading (see explanation above).

NOMENCLATURE

Nomenclature should precede the references. **NOMENCLATURE** is a level-A heading (see explanation above).

ACRONYMS

If an acronym is used more than once, define it at first use followed by the abbreviation or acronym in parentheses then use the acronym from that point, e.g., liquid phase epitaxy (LPE) or General Electric (GE).

PREPARATION OF ARTWORK

Proper artwork preparation is essential for optimum reproduction of tables, line drawings, and photographs. Artwork should be clear and legible but sized to make economical use of space. Similar or related artwork should be of uniform size with uniform lettering. All artwork should be called out in the text as well as properly labeled and captioned. Position artwork on the page near the first text that refers to it—DO NOT group the artwork at the end of the paper.

Line Art

Do not use hairlines (lines less than ½ point in width) in line drawings. Before inserting line drawings captured as EPS files, please convert all fonts to outlines, if possible, to ensure that no font information is lost. Line art must be scanned (or computer generated) at a resolution of 600 d.p.i.

Grayscale Images

Grayscale images (including photos) must be scanned (or computer generated) at a resolution of 300 d.p.i.

Color Images

The use of color in interior pages is prohibitively expensive. **DO NOT SUBMIT COLOR IMAGES IN YOUR PAPER.**

Color Images
(Alternative version allowing color for CD-ROM—assumes printing company can print color images as grayscale images.)

ANS TRANSACTIONS is published in both printed and CD-ROM versions. Color images can be included on the CD-ROM, but the use of color in the printed version is prohibitively expensive, so they are printed as grayscale images. So, before submitting summaries with color images, first make sure that they retain all important information when printed on a black-and-white printer.