

Instructions to Authors for Preparation of Paper Summaries

Vehar, D. W.
Sandia National Laboratories
Albuquerque, NM 87185-1146, USA

Selby, D. L.
Oak Ridge National Laboratory
Oak Ridge, TN 37831-6476, USA

GENERAL INSTRUCTIONS

This document outlines the requirements for preparation of the paper summary for submission to the Fourteenth International Symposium on Reactor Dosimetry. This text was produced using Microsoft Word according to the instructions given herein, and may be used as a template for your paper summary. To ensure proper formatting of tables, figures or symbols, Adobe Acrobat (.PDF) documents are strongly preferred. Microsoft Word documents will also be accepted. The summary must be at least 300 words of narrative, and should not exceed 2 pages in length. Title of the paper, and names and organizations of all authors should be included in the summary. A footnote acknowledging support, as may be required by your funding agency, is permitted. Up to 3 figures and/or tables may be included.

FORMATTING

Page size should be 8 ½ x 11 inches, with 1 inch (2.54 cm) margins. The manuscript is to be formatted as a single column. The manuscript should be set in 10-point Times New Roman throughout, left justified. Unless otherwise specified, the font should appear in a plain style, i.e. not bold or italic. Standard "single space" paragraph formatting with either Word or WordPerfect will result in properly formatted line spacing. Lettering in figures and tables should be no smaller than 10 pt.

The document's title should be upper and lowercase, set in 14 point Times New Roman, and centered. The list of authors and affiliations including addresses should follow. A footnote may be used to acknowledge sponsorship, if the author's organization requires it. A two-inch line separates the footnotes from the body of the text. Footnotes are set in the same font and size as the body of the manuscript, and appear on the same page where they are cited. References must be cited in the text in numerical order, in italics, within square brackets like the citation of the paper by Maerker [1] or the one by Agasari, Williams and Kam [2].

An indentation of 5 spaces (0.25 in. or 0.63 cm) should be used for the first line of a paragraph. Do not leave an extra blank between paragraphs.

TECHNICAL CONTENT

ASTM policy requires the use of SI metric units, including figures and tables. If English units must be used, the metric equivalent must be given. Spell out chemical compounds the first time they are used, followed by the formula in parenthesis, as in hydrochloric acid (HCl). The abbreviation may be used thereafter. Equations should be set in the same font size as the main text, with superscripts and subscripts 2-3 points smaller. Displayed equations should be centered and numbered consecutively, with the equation number flush right (i.e. right-justified) and enclosed in parentheses.

$$E=mc^2 \quad (1)$$

Equations should be referred to in the text as Eq. (X), where X is the equation number. In multiple-line equations, the number should be given on the last line. Please ensure that equations are numbered correctly, without repetition, and that no important equations are omitted from the numbering scheme. Leave one line above and below each equation. Define all symbols after the equation, if not previously defined.

ILLUSTRATIONS AND PHOTOGRAPHS

Illustrations must be clear, even and dark enough for reproduction. It is usually sufficient that the figures be generated using modern graphics software. Color is permitted, but any reproductions will be in black and white. The use of cross-hatching in figures instead of color or shading is recommended.

Figures are to be embedded in the text near where they are first referenced, as illustrated in Fig 1., and within the margins specified. Captions must be set below the figure in italics, initial letter capitalized, and sequentially numbered with Arabic numerals.



Figure 1. Embedded figure

TABLES

Tables should be placed in the text near where they are first referenced. Captions should be placed above the tables and sequentially numbered with Arabic numerals, as illustrated in Table 1. Set captions in normal text, initial letters capitalized.

Table 1. Embedded table

ACKNOWLEDGMENTS

Acknowledgments, other than the funding agency as discussed earlier, should appear just before the references.

REFERENCES

References should be placed last in the manuscript, with the first line hanging by 0.25 inches or 0.63 cm, as shown, with no blank lines between entries. Article titles are given in quotes, book and journal titles are set in italics. All references should include initials and last name of the author(s), title of publication, volume (bold), year of publication and page numbers, as illustrated below. Reference to standards, whether ASTM or another organization, should be given in full within the text, as in this reference to ASTM Terminology Relating to Radiation Measurements and Dosimetry (E170). Subsequent references to the same standard need only cite the alphanumeric designation, as in a second reference to standard E170.

1. R. E. Maerker, "LEPRICON Analysis of pressure Vessel Surveillance Dosimetry Inserted in H. B. Robinson-2 During Cycle 9." *Nucl. Sci. Eng.*, **96** (1987). pp. 263-289.
2. M. Agasari, M. L. Williams and F. B. K. Kam, *Determination of the Neutron and Gamma Distribution in the Pressure Vessel and Cavity of a Boiling Water Reactor*, NUREG/CR-5449 (ORNL/TM-11350), ORNL (June 1990).