



IEEE



NUCLEAR &
PLASMA SCIENCES
SOCIETY

Publication of Conference Papers in the Transactions on **N**uclear **S**cience

General Remarks Submission and Review

Sascha Marc Schmeling

Transactions on Nuclear Science

- IEEE peer-reviewed journal
 - usually 3 reviewers for a paper
- published bi-monthly
- covers the fields of
 - realtime computing,
 - nuclear and space radiation aspects,
 - radiation instrumentation,
 - medical imaging computing, as well as
- conference contributions, e.g.
 - IEEE RealTime and
 - IEEE NSS/MIC

RealTime 2016 Conference Issue



- Who can submit a paper to the TNS Conference Issue for RT2016?
 - authors of papers accepted for presentation at the conference
 - oral and poster presentations eligible
 - only papers actually presented are considered (no-shows at the conference are excluded)

RealTime 2016 Conference Issue Requirements



- The paper must be a presentation of
 - results of measurements or
 - achievement of a technical goal and
 - not just a review of the literature.
- **The paper must be submitted to the RealTime 2016 conference. Elsewhere, the copyright must be granted – at least jointly – to IEEE.**
- The format must comply with the IEEE TNS formatting rules, to be found on the conference web site.
- Paper size can be up to 6 pages with permission of the senior editor.
- Papers should be “good English”.

Submission Deadline

June 24th

RealTime 2016 Conference Issue



- Submission Notes

- <http://mc.manuscriptcentral.com/tns-ieee>

- Manuscript Type: Real Time Conference
- Paper Category: Conference Track Name
- XPlore-compatible pdf file (using [IEEE PDF eXpress](#))

- Note differences between

- Conference Record and
- Conference Issue (TNS)

Open Access

- All authors with a CERN affiliation, especially if their work is linked to CERN and/or one of the experiments there, need to follow OpenAccess Publication rules. The same might apply to other organizations.
- For CERN-affiliated authors, please
 - mark “Open Access” when submitting to TNS
 - give as a comment that the CERN-IEEE account should be charged for this

Copyright

- Copyright needs to be granted either
 - **exclusively or**
 - **jointly**

to IEEE, as well for

- the Conference Record as
- the IEEE TNS Conference Issue

Forms on the web and also available here at the conference

TNS and Conference Record

- IEEE publications are only allowed, if they are significantly different from existing publications
- This also will also apply to Conference Records on IEEE Xplore
- **Two proposals for the Conference Record if you plan to submit your paper to TNS:**
 - **Formal Conference Record**
 - place a preprint on arXiv
 - submit only an extended abstract to the Conference Record and reference the preprint in there
 - **Informal Conference Record**
 - submit the full manuscript there for your fellow conference participants
 - **NOTE: This is not an official publication and not referenceable!**

Preparation of Manuscripts for the 2014 IEEE Real Time Conference

First A. Author, Second B. Author, Jr., and Third C. Author, Member, IEEE

Abstract—These instructions provide guidelines for preparing manuscripts for submission to the Conference Record (CR) of the 2014 IEEE Real Time Conference. If you are using Microsoft Word to prepare your manuscript, you should use this document as a template. Define all symbols used in the abstract. Do not cite references in the abstract. Do not delete the blank line immediately above the abstract; it sets the footnote at the bottom of this column.

I. INTRODUCTION

THIS document is a template for Microsoft Word. It provides instructions for authors that will be presenting a paper at the 2014 IEEE Real Time Conference (RT14), and should be used in preparing and submitting manuscripts to the *Conference Record (CR)*. The *Conference Record* is a non-refereed, CD-ROM-based publication that is distributed to all conference attendees after the conference. A detailed description of the CR submission procedure is provided in section II below. The deadline for the submission of a manuscript to the CR is May 22, 2014.

Additionally, you may submit your manuscript to the *IEEE Transactions on Nuclear Science (TNS)*, if it represents significant original contributions in the fields associated with the conference (i.e., progress reports and preliminary findings are not appropriate). The *TNS* is a refereed publication, and is published throughout the year. A "Conference Issue" of *TNS* dedicated to the RT14 conference is scheduled for publication in Early 2015. In order to be included in this special issue of *TNS*, all manuscripts must be received before the deadline; Go to the conference web page <http://rt2014.rcnp.osaka-u.ac.jp/> for updated information about the submission to *TNS*. For instructions on *TNS* manuscript submissions, please visit the

IEEE's on-line peer review system Manuscript Central™ (<http://mc.manuscriptcentral.com/tns-ieee>). Please note that submission to *TNS* is a separate process from that of the *Conference Record*.

II. ONLINE TEMPLATE

You can download this template, in both MS Word and PDF format, from the RT14 conference web site (<http://rt2014.rcnp.osaka-u.ac.jp/authorinfo.html>) so that you can use it to prepare your manuscript. A LaTeX style and sample files are also available from the same web page. For authors using word processors other than LaTeX or Word, Table I gives the font sizes and formats that are used in this document. Use "Times New Roman" font or its equivalent on your system. The preferred paper size is US Letter (8.5" × 11"). The height of the text is 9.6" (244mm), and width of each column is 3.5" (89mm), with a 0.2" (5mm) separation between columns. If you must use A4 paper size, please set the top and bottom margins to be 27mm, and left and right margins to 14mm to maintain the same width and height of the text area.

When you open RT14.docx as a Word file, select "Page Layout" or "Print Layout" from the "View" menu in the menu bar, which allows you to see the footnotes. Then type over sections of RT14.docx or cut and paste from another document and then use markup styles. Highlight a section that you want to designate with a certain style, and then select the appropriate name on the style menu. The style will adjust your fonts and line spacing. Do not change the font sizes or line spacing to squeeze more text into a limited number of pages. Use italics for emphasis; do not underline.

TABLE I. FONT SIZES AND FORMAT

| Element | Font Size | Font Type | Spacing |
|-------------|-----------|------------|--------------------------|
| Title | 24 pt | Normal | N/A |
| Authors | 11 pt | Normal | 16 pt before, 1 pt after |
| Abstract | 9 pt | Bold | N/A |
| Heading 1 | 10 pt | Small Caps | 12 pt before, 4 pt after |
| Heading 2 | 10 pt | Italics | 6 pt before, 3 pt after |
| Heading 3 | 10 pt | Italics | N/A |
| Text | 10 pt | Normal | "Multiple" at 1.05 |
| Footnote | 8 pt | Normal | N/A |
| Table Title | 8 pt | Small Caps | N/A |
| Figure | 8 pt | Normal | N/A |
| References | 8 pt | Normal | N/A |

Manuscript received April 3, 2014. (Write the date on which you submitted your paper for review.) This work was supported in part by the U.S. Department of Commerce under Grant No. B5123456 (sponsor acknowledgment goes here).

Paper titles should be written in uppercase and lowercase letters, not all uppercase. Avoid writing long formulas with subscripts in the title; short formulas that identify the elements are acceptable (e.g., "Nd-Fe-B"). Do not write "Invited" in the title. Do not begin a title with the word "On..."

Full names of authors are preferred in the author field, but are not required. Put a space between authors' initials. Do not use all uppercase for authors' surnames.

F. A. Author is with the National Institute of Standards and Technology, Boulder, CO 80303 USA (telephone: 303-497-3650, e-mail: author@boulder.nist.gov).

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T. C. Author is with the Electrical Engineering Department, University of Colorado, Boulder, CO 80309 USA, on leave from the National Research Institute for Metals, Tsukuba, Japan (e-mail: author@nrim.go.jp).

permitted. For example, numbers expressed as 6.02E-3, instead of 6.02×10^{-3} , are not acceptable.

A parenthetical statement at the end of a sentence is punctuated outside of the closing parenthesis (like this). (A parenthetical sentence is punctuated within the parentheses.) In American English, periods and commas are within quotation marks, like "this period." Other punctuation is "outside"!

If you wish, you may write in the first person singular or plural and use the active voice ("I observed that ..." or "We observed that ..." rather than "It was observed that ..."). If your native language is not English, please get a native English-speaking colleague to proofread your paper.

VII. SOME COMMON MISTAKES

A. Common Formatting Mistakes

- Manuscript title and all headings must be in Title Case. (In title case, each word is capitalized except for the connecting words, such as articles and prepositions. You may have to manually correct Word's tendency to put every word of the title into Title Case.)
- Font size and aspect of figures captions and table captions should be as indicated in the template. You can use the styles "FigureCaption" and "TableTitle" to format these elements correctly.
- Author affiliations go in the unnumbered footnote on the first page.
- No headers, footers, or page numbers.
- No extra blank lines: need to be inserted – the styles are there to give the right amount of space around the elements.

B. Some Other Common Mistakes

The word "data" is plural, not singular. The subscript for the permeability of vacuum μ_0 is zero, not a lowercase letter "o."

Use the word "micrometer" instead of "micron." A graph within a graph is an "inset," not an "insert." The word "alternatively" is preferred to the word "alternately" (unless you really mean something that alternates). Do not use the word "essentially" to mean "approximately" or "effectively." Be aware of the different meanings of the homophones "affect" and "effect," "complement" and "compliment," "discreet" and "discrete," "principal" and "principle." Do not confuse "imply" and "infer."

Prefixes such as "non," "sub," "micro," "multi," and "ultra" are not independent words; they should be joined to the words they modify, usually without a hyphen. There is no period after the "et" in the Latin abbreviation "et al." (it is also italicized). The abbreviation "i.e.," means "that is," and the abbreviation "e.g.," means "for example" (these abbreviations are not italicized).

An excellent style manual and source of information for science writers is [9]. A general IEEE style guide, *Information for Authors*, is available at <http://www.ieee.org/documents/auinfo07.pdf>.

Appendix

Appendices, if needed, appear before the acknowledgment.

ACKNOWLEDGMENT

The preferred spelling of the word "acknowledgment" in American English is without an "e" after the "g." Use the singular heading even if you have many acknowledgments. Avoid the expression, "One of us (S.B.A.) thanks ..." Instead, write "S.B.A. thanks ..." Put sponsor acknowledgments in the unnumbered footnote on the first page.

We thank Tony Seibert for writing the original version of this document and Bo Yu for the following versions.

We thanks Bo Yu for making the submission website available to the Real Time Conference, and for all the help and support he constantly gives us.

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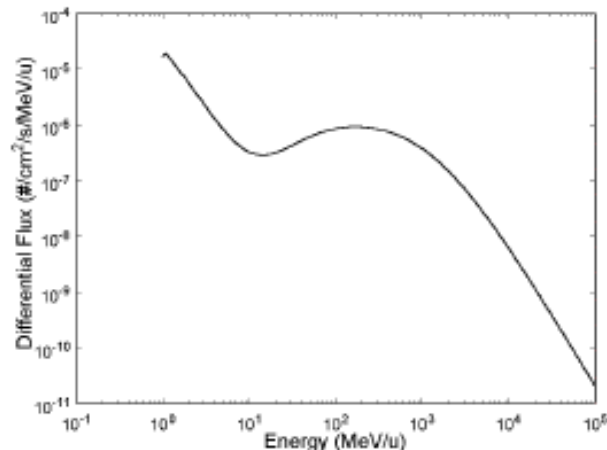


Fig. 1. Interplanetary galactic cosmic ray iron ion counts as a function of ion energy. Note that "Fig." is abbreviated. There is a period after the figure number, followed by two spaces. It is good practice to explain the significance of the figure in the caption. This figure was originally created in a graphics

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