

SPWLA SYMPOSIUM GENERAL INSTRUCTIONS FOR PAPER MANUSCRIPT PREPARATION

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This paper was prepared for the SPWLA 64th Annual Logging Symposium held in Lake Conroe, TX, USA, June 10–14, 2023.

ABSTRACT

All papers are to be submitted electronically in Adobe PDF format to Stephanie Turner at stephanie@spwla.org

The deadline for draft paper submission is March 27, 2023.

The deadline for final paper submission is April 24, 2023.

In the continuing effort to upgrade the quality and appearance of the Transactions Volume, authors are being asked to use a consistent style of page layout, type style (font), and type size as described herein. This Microsoft Word document will also serve as the format template for your paper. All manuscripts must conform to these instructions. Papers that do not conform will be returned to the corresponding author for reformatting.

The Transactions Volume will be published only in digital format.

INTRODUCTION

SPWLA has required electronic submission of Symposium papers since 2004. All papers are to be submitted electronically in Adobe PDF format to Stephanie Turner at stephanie@spwla.org.

The deadline for paper submission is March 27, 2023 and the deadline for final paper submission is April 24, 2023. Please do not use security coding (passwords) when sending the PDF file. We do recommend that you submit earlier, so that there is time to make any corrections if the committee finds issues with the formatting. A manuscript with formatting issues will be returned for revision if time permits or removed from the program if time does not permit corrections.

The layout of this instruction complies with the Guidelines for Manuscript Preparation and may be used as a template. All manuscripts must conform to these instructions.

GENERAL INSTRUCTIONS

The page size in the file must be US letter (8.5 by 11 inches), in “portrait” layout. Maximum paper length is 30 pages, including all text and figures. Again, we strongly recommend that all figures and tables are embedded in the text, but we realize that in some cases figures may need to follow the text. The extended number of pages allows authors to add images that are easy to read and large enough for clarity.

MANUSCRIPT ORGANIZATION

- Title (centered over both columns)
- Author(s) and affiliation(s) (centered over both columns)
- Copyright statement
- Abstract (maximum 400 words)
- Text (including figures and tables)
- Conclusions
- Acknowledgments, if needed
- Nomenclature (divided into two lists: Abbreviations and Symbols)
- References
- About the Author(s)
- Appendix, if needed
- Tables, then figures, if not embedded in text columns

PAGE LAYOUT

Page size. Manuscripts should be formatted for 8 1/2 inches by 11 inches paper. European A4 paper size is not acceptable.

Margins. Left margin on odd numbered pages should be 1 1/4 inches (30mm), right margin 3/4 inch (20mm); right margin on even numbered pages should be 1 1/4 inches, left margin 3/4 inch. (Microsoft Word: gutter =

0, mirror margins on). Top margin 1 1/4 inch below top edge of paper.

Columns. Text must be printed in two columns to a page and separated by 0.25 inches.

Pages. Maximum paper length is 30 pages, including text and figures. **THERE WILL BE NO EXCEPTIONS.** A manuscript in excess of 25 pages will be returned for revision if time permits or pulled if time does not permit.

Page numbering. Center the page number 1/2 inch (12mm) above the bottom of each page.

Header. All pages must have the following header: “SPWLA 64th Annual Logging Symposium, June 10–14, 2023” This header should be on the right side of odd pages and the left side of even pages, and be in 10-point Bold Times New Roman font (or the closest approximation possible).

TYPE STYLE AND SIZE

Type style (font). A proportionally spaced, serif font, Times or Times Roman, is preferred. If this is not possible, use the closest approximation available. (This is Times New Roman, 10-point.)

Type size and line spacing. The main body of the text is single-spaced in 10-point type; line spacing is 12-point (resulting in 6 lines per inch).

HEADINGS

Title. The title should be centered and typed in all capital letters, bold, 14-point, single spaced.

Headings. These should be on a separate line, left justified, easily distinguished from each other and clearly separated from the main body of the text. Bold upper case 10-point, 12-pitch.

First-Level Subheadings. Subheadings are subordinate to headings. The first subheading should be on a separate line above the text. Bold, lowercase, 10-point, 12-pitch line spacing.

Second-Level Subheadings. Any additional subheadings should be on same lines as text. Italics, lowercase, 10-point, 12-pitch line spacing.

CITATIONS

Figures. All figures (graphs, line drawings, photographs, etc.) should be cited in the body of the paper and should



Figure 1: SPWLA 2023 logo.

be numbered sequentially, see **Figure 1**. The figures in the text should be labeled as “**Figure 1**” in bold, 10-point, 12-pitch line spacing.

Tables. All tables should be cited in the body of the paper. Number the tables sequentially as they appear in the paper and include a caption consisting of the table number and a brief description. Tables should be inserted as part of the text as close to its first reference as possible. The tables should be labeled as “**Table 1**” in bold, 10-point, 12-pitch line spacing.

Equations. Equations should be numbered consecutively beginning with (1) throughout the entire paper. The number should be enclosed in parentheses and set flush right in the column on the same line as the equation. It is this number that should be used when referring to equations within the text. Equations should be referenced within the text as “Eq. (x).”

References. Cite references by author’s last name and year. For two authors write both names, for more than two authors use the format “author1 et al.” Cite all references and include complete information for each citation in “References” section.

REFERENCES

Order. References (Archie, 1942) should be listed ALPHABETICALLY by the author’s last name. In case of multiple listings by the same author(s), references are listed by date (earliest first) and then alphabetically. Do not use abbreviations. Form and punctuation shown in the examples below should be observed.

Format. Author’s last name, followed by their initials, year of publication, title of paper or article (capitalize only the first word of the title and any proper nouns), full name of journal (do not underline or use italics), specific volume number shown as Vol. #, show beginning and ending page numbers. 10-point, 12-pitch line spacing.

For books (as applicable): edition, volume, series, chapter, pages, full name and location of publisher.

For journals or other periodicals (as applicable): name of publication, volume, issue, page numbers, DOI (if available).

For conference papers (as applicable): name, location and date(s) of conference, type of presentation, paper number, DOI (if available).

For websites: Author or Site Name. YEAR. Title (page or article). Site name, date posted, web address (accessed date).

A free resource to find the DOI of a paper is <https://www.crossref.org/guestquery/>

“ABOUT THE AUTHOR” SECTION

Each author should include a biographical sketch. These should be in the same order as the author listing at the beginning of the paper. Quality photos are encouraged, provided the overall length of the article does not exceed 30 pages.

ARTWORK PREPARATION

Identification and captioning. All figures should be identified by a number (“**Figure 1**”) in bold 10-point font. Number all figures in sequential order and follow with a brief but descriptive caption.

Location. Illustrations should be placed within the body of text if at all possible, but it is recognized that in certain cases it will be necessary to place them at the end of the paper.

Multiple figures per page. Authors are responsible for arranging multiple figures on each page within the columns where appropriate, or if it is not possible, then at the end of the paper. All lettering must be legible.

Figures resolution. Authors are encouraged to produce high resolution figures before they are inserted in the paper. We recommend illustrations at a resolution of at least 300 dots per inch (dpi) but 600 is preferred. Several petrophysical and scientific software packages already produce high resolution figures. However, a graphics-editing application may be helpful for preparing illustrations.

USE OF COLOR

Use of color in digital Transactions Volume. The Transactions Volume will include the pdf files, with figures exactly as submitted by the author. Figures may be in color or in black and white at the author’s discretion. However, the author should perform a test print in black and white to ensure legibility, as many readers will print the paper in black and white.

COMMERCIAL ADVERTISING

Logos. Commercial (Company) logos are not to be used in manuscripts. Manuscripts will be rejected if company logos are present.

Proprietary names. Generic names should be used instead of proprietary tool or program names. However, there might be cases where a trademark is unavoidable, it can only be used once and identified as such.

Please remember that the goal of the Symposium is to promote technical advancement and exchange. Accordingly, commercially oriented papers are strongly discouraged.

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The copyright document can be found at <http://www.spwlaworld.com/>

CHANGES AND ADDITIONS

Please, re-submit a paper to Stephanie Turner at stephanie@spwla.org if changes are needed after the original submission. No changes or additions will be accepted after the April 24, 2023 deadline.

SUMMARY

We continue our commitment to provide a high-quality Transactions Volume. Please address any suggestions for improvement to Stephanie Turner at the SPWLA Business Office (stephanie@spwla.org) or Iulian Hulea, SPWLA Vice President Technology vp-technology@spwla.org

Thank you for your cooperation.

APPENDIX: PETROPHYSICAL MODEL

This appendix describes the petrophysical model assumed in the paper and provides a detailed derivation of the associated equations.

ACKNOWLEDGMENTS

The authors would like to acknowledge ...

NOMENCLATURE

<i>bhr</i>	Borehole radius, inch
<i>dtm</i>	Mud slowness, $\mu\text{s}/\text{ft}$
<i>rhom</i>	Mud density, kg/m^3

REFERENCES

- Archie, G. E., 1942. The electrical resistivity log as an aid in determining some reservoir characteristics. *Petroleum Transactions of the AIME*, **146**: 54–62.

ABOUT THE AUTHORS



SPWLA is a Non-Profit corporation founded in 1959. Dedicated to the advancement of petrophysics focusing on log and core measurements, formation evaluation techniques, hydrocarbon, mineral and water resources.



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