

# Paper Template for Optical Wireless and Fiber Power Transmission Conference Title using Bolded Times New Roman, 14-point size and Centered

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**Abstract:** Detailed rules for preparing a 2-pages paper to be submitted to the OWPT conference are presented. The body of your abstract begins here with a limit of 80 words. It should be an explicit summary of the paper describing the problems, methods used, and main results and conclusions. It should also include relevant keywords that would allow it to be found in computer searches. Do not contain scientific or engineering symbols, acronyms, bullets or lists in the abstract.

## 1. Introduction

Please prepare 2-pages paper. A template is a set of styles and page layout settings that determine the appearance of a document. Since there is no typesetting or copy-editing for this paper, it is important to use this style guide to provide a consistent appearance.

## 2. Title section

Paper size should be 21 cm x 29.7 cm (A4) or 8.5 in. x 11 in. (US letter) size. Set the margins to a 3.5 cm top, a 2.5 cm bottom, and a 2 cm left and right. Page length should be 2 pages and overlengthened manuscripts are not accepted. The font should be Times New Roman.

### 2.1 Title

Center the title. Capitalize the first letters of all nouns, pronouns, adjectives, verbs, and adverbs. Title should be 14 pt. and bold font.

### 2.2 Author names

Center author names using 9 pt. Author names should be appeared as used in conventional publications, with the first and middle name or initial followed by the surname. Every effort should be made to keep that author names are consistent from one paper to the next.

### 2.3 Author affiliation

Center author's affiliation using 9 pt. Affiliations should follow the format: division, organization, and address. Do not use abbreviations. If multiple authors have the same affiliation, one affiliation list should be used, with the full list of authors on the line above. Center e-mail address of the corresponding author on the last line.

### 2.4 Abstract

Begin the section with the word "Abstract" in Italic-bold font, followed by a colon. The font size should be 9 pt. The abstract should be an explicit summary of the paper describing the problems, methods used, and main results and conclusions. It should also include relevant keywords that would allow it to be found in computer searches. If a work of another author is cited in the abstract, a separate citation should be included in the body of the text. Do not contain scientific or engineering symbols, acronyms, bullets or lists in the abstract. Be sure to adhere to the word limitation of 80 words. The program committee may arbitrarily shorten abstracts that are longer than required.

## 3. Main text

The paper should be set in two-column format. The font size should be 10 pt. The first line of the first paragraph of a section or subsection should begin with left alignment.

The first line of a subsequent paragraph of the section or subsection should be indented 0.5 cm (0.2 in.).

### 3.1 First level heading

Left aligned. Only the first letter of the heading is capitalized, except for proper names, elements, and abbreviations. The heading should be 10 pt., Times New Roman, bold font.

### 3.2 Second level heading

Left aligned. Only the first letter in the heading is capitalized, except for proper names, elements, and abbreviations. The heading should be 10 pt., Times New Roman font.

## 4. Tables

The table should be centered on the column and sequentially numbered. The table heading should be centered above the table with 9 pt. font. If it exceeds one line, the heading should be left aligned to the column edge without any margin. Allocate a table as close as possible to the cited text.

Table 1. Minimum and maximum values of  $\kappa$

$\lambda$ (nm)	Max.	Min.
1530	0.65	0.55
1540	0.70	0.62
1550	0.75	0.66
1560	0.69	0.61

## 5. Figures

The figure should be included directly in the document and placed as close as possible to the cited text. All figures should be centered on the column, except for small figures no wider than 8 cm (3.1 in.). No part of the figure should exceed the typing area. Text should not be wrapped around figures.

One-line figure captions should be centered beneath the figure. The abbreviation "Fig." of a figure should be appeared first followed by the figure number and a period. Captions should be in 9 pt. font. If it exceeds one line, the

caption should be left aligned to the column edge without any margin.



Fig. 1. One-line caption should be centered.



Fig. 2. Long figure caption (2 or more lines) should be left aligned to the column edge without any margin.

## 6. Equations

The equation should be centered, unless they are so long that less than 1 cm will be left between the end of the equation and the equation number, in which case they may run on to the next line. Equation numbers should appear in parenthesis in the right margin. For long equations, the equation number may appear on the next line. In very long equations, the right side of the equation should be divided into approximately equal parts and aligned to the right of the equal sign. Equation numbers should appear only at the right margin of the last line of the equation.

To number an equation in Word, add # to the end of the equation and then write the equation number.

$$\frac{1}{f} = \frac{1}{a} + \frac{1}{b} \quad (1)$$

$$I_L = I_{ph} - I_F = I_{ph} - I_0 \cdot \left( \exp\left(\frac{eV}{nkT}\right) - 1 \right) \quad (2)$$

## 7. Do not include footnote

Footnotes should not be included in this paper.

## 8. Conclusion

Briefly describe the conclusions of your paper without copying or pasting the abstract or introduction.

## Acknowledgment

Acknowledgments may be placed in the subsequent section, if necessary. Do not use a section number.

## References

References should be listed at the end of the paper in the order in which they are referred to in the text. The font should be 9 pt., aligned left.

At the point of citation within the main text, designate the reference by typing the number in square brackets after the last corresponding word [1]. The reference number should follow by a comma or period [2]. Two references should be included together separated by a comma [3, 4], while three or more consecutive references should be indicated by a bounding number and a dash [5-8].

For journal articles, authors are listed first, followed by the full title of the article in quotes, the abbreviation journal title, the volume number in bold, inclusive page numbers or paper ID number, and the year in parentheses.

- [1] T. Miyamoto, "Optical wireless power transmission - Towards the creation of new optical application fields-," *Trans. IEICE*, **J103-C**, 270-278 (2020).

For monographs in books, authors are listed first, followed by the full title of the article in quotes, the word "in," followed by the book title in italics, the editors of the book, publisher, city, and year in parentheses.

- [2] David F. Edwards, "Silicon (Si)" in *Handbook of optical constants of solids*, E.D. Palik, ed., Academic, Orlando, Fla. (1985).

For citation of a whole book or book chapter, authors or editors are listed first, followed by the title in italics, publisher, city, and year in parentheses. Chapter number may be added if applicable.

- [3] F. Ladouceur and J. D. Love, *Silica-based buried channel waveguides and devices*, Chapman & Hall (1995), Chap. 8.

For citation of proceedings, follow the next example.

- [4] H. Helmers, O. Höhn, D. Lackner, E. López, L. Ruiz-Preciado, M. Schauerte, G. Siefer, F. Dimroth, and A. W. Bett, "Highly efficient III-V based photovoltaic laser power converter," in *Technical Digest of OWPT2019*, OWPT-1-01 (2019).

WWW links may be represented by a line in the reference section of the paper. The title of the referred item should be represented as blue underlined text. A WWW link should list the author, title (substitute file name, if needed), and full URL (universal resource locator).

- [5] OWPT conference committee, "The 5th Optical Wireless and Fiber Power Transmission Conference (OWPT2023)," <https://owpt.opicon.jp/>.