

# L<sup>A</sup>T<sub>E</sub>X Template of the Workshop on Optical Wireless Communication for Smart City (OWC<sup>2</sup>)

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**Abstract** This document provides the guidelines for preparing papers for the Workshop on Optical Wireless Communication for Smart City (OWC<sup>2</sup>). Please read carefully and follow the guidelines as closely as possible in order to produce high-quality reports with common formatting for all papers.

**Key words** Optical wireless communication, visible light communication

## 1. Introduction

Authors are kindly invited to submit papers describing original works in all aspects of nonlinear theory and its applications to OWC<sup>2</sup>. Please prepare your paper according to the guidelines and submit via OWC<sup>2</sup> web site not later than the deadline. **Only electronic submission of papers in PDF format is accepted.**

## 2. Preparation of Papers

### 2.1 Paper Format

Please prepare your paper in **A4** format (210 mm by 297 mm). All text must be in a two-column format with 5mm column separation. The paper should not exceed **four pages** in length. Please do not put page numbers on your paper.

### 2.2 Typesetting

Text should be written with a font size of 10pt unless otherwise specified. Times New Roman font is recommended for consistency and readability both on screen and in print. **Please do not use Asian fonts** as this will make your manuscript unreadable for reviewers.

### 2.3 Title, Authors and Affiliations

The title of the paper appears on the first page, centered over both columns and is set in 14pt bold letters. The author names appear below the title in 12pt. The affiliations should be given below the author names in 10pt and contain full mailing address and email address.

### 2.4 Abstract and Key words

The paper should start with an abstract giving a short overview on the discussed matter and the presented results. In addition, the authors should fill in some key words under the abstract.



Fig. 1: Sample Figure.

### 2.5 Section Headings

#### 2.5.1 Typesetting

Section and subsection headings should appear in 10pt bold face, while subsection headings in 10pt italic face. The first letter of each major word must be capitalized.

#### 2.5.2 Alignment

All the headings should be aligned left.

#### 2.5.3 Numbering

Section, subsection and subsection headings should be numbered with Arabic numerals.

### 2.6 Equations

Equations are centered and numbered consecutively with Arabic numerals in parentheses as follows:

$$f(x) = \frac{ax + b}{x^2 + \alpha x + \beta} \quad (1)$$

### 2.7 Figures

Figures are arranged using `\includegraphics` (see Fig. 1).

Tab. 1: Sample table.

1	2	3	4
5	6	7	8
9	10	11	12

## 2.8 Tables

The authors can include a table as follows.

## 2.9 References

A list of references should appear at the end of the paper. Number all references consecutively with Arabic numerals in square brackets. When referring to them in the text, type the corresponding reference number in square brackets as [1].

## 2.10 L<sup>A</sup>T<sub>E</sub>X Style File and MS Word Template

For the convenience of L<sup>A</sup>T<sub>E</sub>X users, we provide a L<sup>A</sup>T<sub>E</sub>X style file (`owc2.cls`) that automatically formats the manuscript in accordance with the symposium requirements. A L<sup>A</sup>T<sub>E</sub>X sample source file (`owc2-template.tex`) will show how to use the style file. We also provide a Microsoft Word template (`owc2-template.doc`) and a sample paper in PDF format (`owc2-sample.pdf`). All of these files are available at OWC<sup>2</sup> web site:

<https://www.ieice.org/wbs/1stOWC2/owc2.html>

## 3. Creating PDF files

### 3.1 Software

As mentioned above, only electronic submission of papers in PDF format is accepted. There are several methods for creating PDF files: Adobe Distiller, PDFWriter, ps2pdf, dvi2pdf, pdflatex, and so on. Generally Adobe Distiller provides higher quality output than others, and is therefore preferred.

### 3.2 Embedding Fonts

**All fonts must be embedded** into the PDF file of your paper including the following standard 14 fonts:

- Courier
- Courier, Italic
- Courier, Bold
- Courier, Bold Italic
- Arial MT
- Arial MT, Italic
- Arial MT, Bold
- Arial MT, Bold Italic
- Times New Roman PS MT
- Times New Roman PS MT, Italic
- Times New Roman PS MT, Bold
- Times New Roman PS MT, Bold Italic
- Symbol
- ZapfDingbats

that come with Acrobat Reader, so that the file can be viewed

correctly on any computer. The method of embedding fonts is different on various systems and PDF creation mechanisms; for example, in Adobe Distiller, choose Job Options and check Embed All Fonts. For authors using other software, please refer to your own help sources.

Before submission, **please make sure that all fonts are embedded into the PDF file you have created.** To view the font information for a PDF, open the file in an Acrobat Reader, go to the File menu, select Document Info, and then Fonts. The Font Info dialog box displays font information. If Used Font column is set to Embedded or Embedded Subset, it means that the font is correctly embedded.

### 3.3 File Protection

**Please do neither password protect nor encrypt your PDF file** so that we can insert headings and page numbers.

## 4. Submission of Papers

### 4.1 How to Submit

To submit your electronic manuscript, please visit the Submission page and follow the given instructions.

### 4.2 File Size

**File size is strictly limited to 5 MB.** Any file with the size bigger than 5 MB will be automatically rejected by the OWC<sup>2</sup> online submission system.

## 5. Copyright of Papers

The authors submitting to OWC2 will have kept their copyright of papers for each. In order to protect the authors' copyright, the committee will add the Creative Commons license of "CC By-NC-ND 4.0" to the authors' papers.

## Acknowledgments

The authors would like to thank OWC<sup>2</sup> organizing committee members for their fruitful suggestions and comments.

### References

- [1] T. Komine and M. Nakagawa "Fundamental analysis for visible light communication system using LED lights," *IEEE Trans. Consum. Electron.*, vol.50, no.1, pp.100–107, Feb. 2004.