

# Jurnal Telematika Template

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acceptance date; revision date; published date

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**Abstract**— *This document gives formatting instructions for authors preparing papers for publication in the Proceedings of an IEEE conference. The authors must follow the instructions given in the document for the papers to be published. You can use this document as a template into which you can type your own text.*

**Keywords**— *Include at least 5 keywords or phrases which separates in commas*

**Abstract**— *Tuliskan abstrak dalam Bahasa Indonesia, masing-masing berisi 160-250 kata. Dokumen ini merupakan format panduan bagi penulis untuk menulis makalah yang siap dipublikasikan dalam jurnal Telematika. Dokumen ini disadur dari IEEE template. Para penulis harus mengikuti petunjuk yang diberikan dalam panduan ini. Anda dapat menggunakan dokumen ini baik sebagai petunjuk penulisan dan sebagai template di mana Anda dapat mengetik teks Anda sendiri.*

**Kata Kunci** — *Tuliskan 5 kata kunci atau frasa Anda di sini dan pisahkan dengan tanda koma*

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## I. INTRODUCTION

This document is a template. An electronic copy can be downloaded from the conference website. For questions on paper guidelines, please contact the conference publications committee as indicated on the conference website. Information about final paper submission is available from the conference website.

## II. METHODOLOGY

An easy way to comply with the conference paper formatting requirements is to use this document as a template and simply type your text into it.

### A. Page Layout

Your paper must use a page size corresponding to A4 which is 210mm (8.27") wide and 297mm (11.69") long. The margins must be set as follows:

- Top = 19mm (0.75")
- Bottom = 43mm (1.69")
- Left = Right = 14.32mm (0.56")

Your paper must be in one column format.

## III. RESULT AND DISCUSSION

All paragraphs must be indented. All paragraphs must be justified, i.e. both left-justified and right-justified.

### A. Text Font of Entire Document

The entire document should be in Times New Roman or Times font. Type 3 fonts must not be used. Other font types may be used if needed for special purposes.

Recommended font sizes are shown in Table 1. Table must be *without* vertical lines.

### B. Title and Author Details

Title must be in 24 pt Regular font. Author name must be in 12 pt Regular font. Author affiliation must be in 11 pt Italic. Email address must be in 10 pt Courier Regular font.

All title and author details must be in single-column format and must be centered. All tables must be arranged on top or below the page, or table is not between the texts.

Every word in a title must be capitalized except for short minor words such as “a”, “an”, “and”, “as”, “at”, “by”, “for”, “from”, “if”, “in”, “into”, “on”, “or”, “of”, “the”, “to”, “with”.

Author details must not show any professional title (e.g. Managing Director), any academic title (e.g. Dr.) or any membership of any professional organization (e.g. Senior Member IEEE).

TABLE I  
FONT SIZES FOR PAPERS

Font Size	Appearance (in Time New Roman or Times)		
	Regular	Bold	Italic
10	table caption (in Small Caps), figure caption, reference item		reference item (partial)
	author email address (in Courier), cell in a table	abstract body	abstract heading (also in Bold)
12	level-1 heading (in Small Caps), paragraph		level-2 heading, level-3 heading, author affiliation
	author name		
24	title		

To avoid confusion, the family name must be written as the last part of each author name (e.g. John A.K. Smith).

Each affiliation must include, at the very least, the name of the company and the name of the country where the author is based (e.g. Causal Productions Pty Ltd, Australia).

Email address is compulsory for the corresponding author.

### C. Heading Section

No more than 3 levels of headings should be used. All headings must be in 12pt font. Every word in a heading must be capitalized except for short minor words as listed in Section III-B.

1) *Heading Level-1*: A level-1 heading must be in Small Caps, centered and numbered using uppercase Roman numerals. For example, see heading “III. Page Style” of this document. The two level-1 headings which must not be numbered are “Acknowledgment” and “References”.

2) *Heading Level-2*: A level-2 heading must be in Italic, left-justified and numbered using an uppercase alphabetic letter followed by a period. For example, see heading “C. Section Headings” above.

3) *Heading Level-3*: A level-3 heading must be indented in Italic and numbered with an Arabic numeral followed by a right parenthesis. The level-3 heading must end with a colon. The body of the

level-3 section immediately follows the level-3 heading in the same paragraph. For example, this paragraph begins with a level-3 heading.

#### D. Figures and Table

Figures and tables must be centered in the column. Large figures and tables may span across both columns. Any table or figure that takes up more than 1 column width must be positioned either at the top or at the bottom of the page.

Graphics may be full colour. All colours will be retained on the CDROM. Graphics must not use stipple fill patterns because they may not be reproduced properly. Please use only *SOLID FILL* colours which contrast well both on screen and on a black-and-white hardcopy, as shown in Fig. 1.

Fig. 2 shows an example of a low-resolution image which would not be acceptable, whereas Fig. 3 shows an example of an image with adequate resolution. Check that the resolution is adequate to reveal the important detail in the figure.

Please check all figures in your paper both on screen and on a black-and-white hardcopy. When you check your paper on a black-and-white hardcopy, please ensure that:

- the colours used in each figure contrast well,
- the image used in each figure is clear,
- all text labels in each figure are legible.

#### E. Figures Captions

Figures must be numbered using Arabic numerals. Figure captions must be in 11pt Regular font. Captions of a single line (e.g. Fig. 2) must be centered whereas multi-line captions must be justified (e.g. Fig. 1). Captions with figure numbers must be placed after their associated figures, as shown in Fig. 1. All figures must be arranged on top or below the page, or table is *not between* the texts.

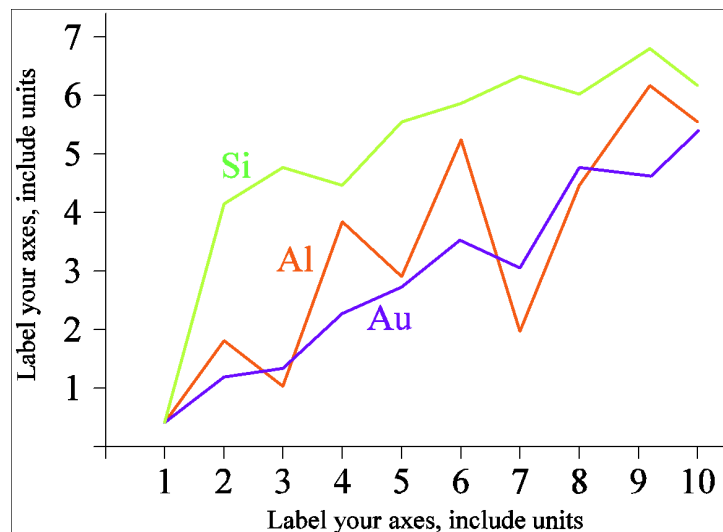


Fig. 1 A sample line graph using colours which contrast well both on screen and on a black-and-white hardcopy



Fig. 2 Example of an unacceptable low-resolution image



Fig. 3 Example of an image with acceptable resolution

#### *F. Table Captions*

Tables must be numbered using uppercase Roman numerals. Table captions must be centred and in 8 pt Regular font with Small Caps. Every word in a table caption must be capitalized except for short minor words as listed in Section III-B. Captions with table numbers must be placed before their associated tables, as shown in Table 1.

#### *G. Page Numbers, Headers and Footers*

Page numbers, headers, and footers are only used by the Editor.

#### *H. Links and Bookmarks*

All hypertext links and section bookmarks will be removed from papers during the processing of papers for publication. If you need to refer to an Internet email address or URL in your paper, you must type out the address or URL fully in Regular font.

#### *I. Equations*

Equations are numbered sequentially in parentheses with right-aligned margins, as in (1). Equations are written using the *equation editor* feature. Equations must not be copied from images. Equation numbers are written in parentheses and spaced. To make your equations more compact, use a slash (/) for division, exponentiation, or proper exponents. To avoid confusion in giving fractional numbers, use parentheses. Explain the equation when it is part of a sentence, as follows:

$$\int_0^{r_2} F(r, \phi) dr d\phi = [\sigma r_2 / (2\mu_0)]$$

$$\cdot \int_0^\infty \exp(-\lambda |z_j - z_i|) \lambda^{-1} J_1(\lambda r_2) J_0(\lambda r_i) d\lambda$$

Ensure that symbols within equations are defined before the equation or may follow immediately after the equation appears. Symbols are typed in italics. For example:  $T$  refers to temperature, but  $T$  is the unit Tesla. Equation references are written, for example, referring to ‘equation (1)’ or ‘(1)’, not ‘Eq. (1)’. At the beginning of the sentence, write ‘Equation (1) is ...’.

### *J. References*

The heading of the References section must not be numbered. All reference items must be in 10pt font. Please use Regular and Italic styles to distinguish different fields as shown in the References section. Number the reference items consecutively in square brackets (e.g. [1]).

When referring to a reference item, please simply use the reference number, as in [2]. Do not use “Ref. [3]” or “Reference [3]” except at the beginning of a sentence, e.g. “Reference [3] shows ...”. Multiple references are each numbered with separate brackets (e.g. [2], [3], [4]–[6]).

Examples of reference items of different categories shown in the References section include:

- example of a book in [1]
- example of a book in a series in [2]
- example of a journal article in [3]
- example of a conference paper in [4]
- example of a patent in [5]
- example of a website in [6]
- example of a web page in [7]
- example of a databook as a manual in [8]
- example of a datasheet in [9]
- example of a master’s thesis in [10]
- example of a technical report in [11]
- example of a standard in [12]

### IV. CONCLUSIONS

The version of this template is V5. Most of the formatting instructions in this document have been compiled by Causal Productions from the IEEE LaTeX style files. Causal Productions offers both A4 templates and US Letter templates for LaTeX and Microsoft Word. The LaTeX templates depend on the official IEEEtran.cls and IEEEtran.bst files, whereas the Microsoft Word templates are self-contained. Causal Productions has used its best efforts to ensure that the templates have the same appearance.

Causal Productions permits the distribution and revision of these templates on the condition that Causal Productions is credited in the revised template as follows: “original version of this template was provided by courtesy of Causal Productions (www.causalproductions.com)”.

### ACKNOWLEDGMENT (OPTIONAL)

The heading of the Acknowledgment section and the References section must not be numbered.

Causal Productions wishes to acknowledge Michael Shell and other contributors for developing and maintaining the IEEE LaTeX style files which have been used in the preparation of this template. To see the list of contributors, please refer to the top of file IEEEtran.cls in the IEEE LaTeX distribution.

## REFERENCES

- [1] S. M. Metev dan V. P. Veiko. *Laser Assisted Microtechnology*, 2nd ed., R. M. Osgood, Jr., Ed. Berlin, Germany: Springer-Verlag, 1998, pp.12-34.
- [2] J. Breckling, Ed. *The Analysis of Directional Time Series: Applications to Wind Speed and Direction*, ser. Lecture Notes in Statistics. Berlin, Germany: Springer, 1989, vol. 61.
- [3] S. Zhang, C. Zhu, J. K. O. Sin, dan P. K. T. Mok. "A novel ultrathin elevated channel low-temperature poly-Si TFT," *IEEE Electron Device Lett.*, vol. 20, pp. 569–571, Nov 1999.
- [4] M. Wegmuller, J. P. von der Weid, P. Oberson, dan N. Gisin. "High resolution fiber distributed measurements with coherent OFDR," dalam *Proc. ECOC'00*, 2000, paper 11.3.4, p. 109.
- [5] R. E. Sorace, V. S. Reinhardt, dan S. A. Vaughn. "High-speed digital-to-RF converter," U.S. Patent 5 668 842, 16 Sep 1997.
- [6] S. Calmer. (1999, 1 Juni). Engineering and Art. (2nd edition). [Daring]. 27(3). Tersedia: [www.enggart.com/examples/students.html](http://www.enggart.com/examples/students.html) [21 Mei 2003]
- [7] A. Paul. (Okt 1987). "Electrical properties of flying machines." *Flying Machines*. [Daring]. 38(1), pp. 778-998. Tersedia: [www.flyingmachjourn/properties/fly.edu](http://www.flyingmachjourn/properties/fly.edu) [1 Des 2003]
- [8] *FLEXChip Signal Processor (MC68175/D)*, Motorola, 1996.
- [9] "PDCA12-70 data sheet," Opto Speed SA, Mezzovico, Switzerland.
- [10] A. Karnik. "Performance of TCP congestion control with rate feedback: TCP/ABR and rate adaptive TCP/IP," M. Eng. thesis, Indian Institute of Science, Bangalore, India, Jan 1999.
- [11] J. Padhye, V. Firoiu, and D. Towsley. "A stochastic model of TCP Reno congestion avoidance and control," Univ. of Massachusetts, Amherst, MA, CMPSCI Tech. Rep. 99-02, 1999.
- [12] *Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specification*, IEEE Std. 802.11, 1997.
- [13] B. Bart. "Going Faster." *Globe and Mail* (14 Okt 2002), sec. A p.1.

**First Author's Name.** A brief educational history is written here. Current activities can also be listed. Interest in certain disciplines is also be listed here to expand the network.

**Second Author's Name.** A brief educational history is written here. Current activities can also be listed. Interest in certain disciplines is also be listed here to expand the network.

**Third Author's Name.** A brief educational history is written here. Current activities can also be listed. Interest in certain disciplines is also be listed here to expand the network.