**Full Manuscript Template**

 **for the IE NETWORK Conference 2025**

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**Abstract**

 This is an instruction for abstract preparation for the IE Network Conference. Please follow this guideline strictly as it would appear in the proceeding without retouching. For Thai article, an abstract in English must accompany the Thai version. It should contain a single paragraph and its length should not exceed 25 lines. It should include a concise statement of objectives and a summary of important results.

**Keywords:** 3-5 words, Browallia New 12-point size

**1. Introduction**

 This article provides guidelines for the formatting and content of an article. The article must consist of the following sections in order, as detailed in the subsequent topics.

**2. Format**

 The article must be printed on A4 paper (21 cm. × 29.7 cm.) and be 4-6 pages long. It must be typed using Microsoft Word for Windows version 2003 or later. For English, and Arabic numerals, use the Browallia New font. Leave margins of 3 cm. at the top and bottom and 2 cm. on the left and right sides. Only black font should be used. Color images must be clear when printed in black and white

**2.1 Front Page**

 On the first page of the article, the following information should be arranged in this order: English title (capitalize the first letter of each word, except for prepositions and articles), names of all authors in English, affiliation or organization, abstract, and keywords. The abstract and keywords should be single-columned and 17 cm wide. The title should be written in English and centered on the page in bold 16-pt font, with not exceed 3 lines. Other details are as follows:

**2.1.1 Author's Name**

 The author's name should be centered below the English title. Use Browallia New font, size 12 pt, with a 2-line spacing above and below the author's name. If there are multiple authors, leave a space of 2 characters between each name. Do not use the word “and” before the last author's name. Do not include any titles such as academic titles or ranks. Use a superscript Arabic numeral immediately after the name (without any space between the name and the number) to indicate the affiliation or organization, as shown in the sample on the first page. For superscripting names, use the insert footnote function with a font size of 12 pt.

**2.1.2 Abstract**

 Type “Abstract” at the beginning of a new line, aligned with the left margin. Use bold font, and capitalize only the first letter “A”. The content should be single-spaced, with a 1.5 cm indentation for the first line. Each abstract should consist of only one paragraph and should not exceed 25 lines.

**2.1.3 Keywords**

 “Keywords” should start on a new line after the abstract, also in bold font. Only the first letter “K” of “Keywords” should be capitalized. Each article should have approximately 3-5 keywords. Each keyword should be capitalized only at the beginning, such as “Submission procedure” is considered a single keyword, so only the first word “Submission” should be capitalized.

**2.2 Other Parts of the Article**

 Typing for other sections of the article, besides those specified on the front page, such as the main content, should be divided into the following sections: Introduction, Main Body, Conclusion, Acknowledgments (if any), References, and Appendices (if any). These sections should be typed in 2 columns without extra spacing between lines, except when starting a new heading, where a 1-line space should be left. Headings should be aligned with the left and right margins of each column. The main content should have a 0.5 cm indentation.

 To organize the headings within the main content, use numbers. The introduction should be labeled as heading number 1. If there are subheadings, use a decimal system, such as 1.1, and so on

**2.3 Headings and Paragraphs**

 When starting a new heading, continue the numbering from the previous heading and use bold 12 pt font. For example, the heading "2. Formatting" would be in bold 12 pt font. For subheadings, such as "2.1 Front Page" and further subheadings, also use bold 12 pt font. Indent the first line of each paragraph by 0.5 cm from the left margin.

**2.4 Figure Placement**

 Figures should not exceed 8.2 cm in width to fit within a single column. In cases where it is necessary to preserve the details of the image, the width can be extended to the full-page width, but it should not exceed 17 cm.

 All text within the figure must be large enough to be easily readable and should not be smaller than the text in the main body.

 Each figure must have a number and a caption. The number and caption combined should not exceed two lines and should be centered within the column. The caption should avoid using the word "shows," for example, instead of writing "Figure 1 shows the relationship between...", it should be "Figure 1. The relationship between...".

 Line drawings should be in black ink. Photographs should be black and white and clear. Color photographs are permissible. Figures should only contain necessary details. For aesthetic purposes, leave one line space above the figure and one line space below the caption, as shown in the example.

 If there are any notes, they should be placed below the figure, aligned with the left margin of the column. The word "Note" should be in bold font, but the rest of the text should be in regular font.



Figure 1 Rotation of a cylindrical object within another cylindrical object

(Browallia New ขนาด 12 pt)

**2.5 Equation Writing**

 All equations should be centered within the column. In cases where the equation is very long, it may be allowed to extend to the full width of the page. Each equation should be numbered within parentheses. The explanation of the variables in the equation should be indented as if starting a new paragraph. The font for letters in the equation should be Times New Roman size 10, and symbols should be Symbol size 10. Use MathType or Equation Editor to write equations. The equation number should be aligned with the right margin of the column, as follows.

  (1)

whereis the viscosity, is the pressure,  is the Boltzmann constant,  is the temperature, and  is the mass of the gas.

For aesthetic purposes, leave a 12 pt space above and below the equation. When referring to equation (1), always include the parentheses around the equation number.

**2.6 Table Preparation**

 The font size in tables should not be smaller than the font size in the main text. A clear black border should be drawn around the table. The table size should be adjusted to fill the entire column. Every table must have a number and a caption above the table. The number and caption combined should not exceed two lines and should be aligned with the left margin of the column. The caption should avoid using the word "shows," similar to the case of figures. For aesthetic purposes, leave one line space above the table caption and one line space below the table.

 If there are any remarks, they should be placed below the table, aligned with the left margin, using Browallia New 11 pt font. Only the word "Remark" should be in bold.

Table 1 Size and font style for English letters and Arabic numerals

|  |  |
| --- | --- |
| Size | Characteristics of English letters and Arabic numerals |
| (point) | normal | bold |
| 12 | Contents, Reference documents, Abstract, keywords, Table and Figure captions | Subheadings,The word “Keywords” |
| 14 |  | Headings, |
|  |  | The word “Abstract” |
| 16 |  | Title |

**Remark** This is only an example.

**2.7 References and Citations**

 In-text citations: Use square brackets, e.g., [1]. The order of citation numbers should be sequential, starting from the smallest number and increasing. For consecutive citations, use the format [1-5].

 The heading "References" should be in bold font. Do not number the references. For each reference, clearly state the author's name, title of the article or book, etc., following the provided format. Ensure that all references are aligned with the left margin.

 When citing multiple sources within the same sentence, use commas to separate the citation numbers, such as [1, 3] or [2, 4-5].

* For references to books, see the examples in the reference list [1, 3].
* For references to journal articles, see the examples in the reference list [4, 6].
* For references to conference papers, see the examples in the reference list [2, 5].
* For references to online sources, see the examples in the reference list [7].

**3. Additional Suggestions**

 Units: Use internationally recognized units such as "kilogram," "cubic centimeter," and "meter per second." When abbreviating units, use the correct and internationally accepted English abbreviations like "kg," "cm³," and "m/s." Avoid using abbreviations like "cc.," or "m/sec."

 Decimal numbers: Write decimal numbers as "0.25 m," not ".25 m." Leave a space between the number and the unit for clarity.

 Parentheses: Leave a space before and after the parentheses. Within the parentheses, text can be typed without spaces. For example, (example).

**4. Conclusion**

 Authors are kindly requested to carefully review their articles, allowing ample time before submitting them to the review committee. This will ensure the high quality of your article and increase the likelihood of its acceptance.

**5. Acknowledgments**

 We would like to thank all authors for their cooperation and strict adherence to the article writing guidelines.

**References**

**[1] Author Name. Year. Paper Title. Journal Name. Volume (Number), Pages.**

**[2] Author Name. Year. Paper Title, Pages. Proceeding Name, Date of Conference, Place of Conference.**

[3] Author Name. Book Title, Printing House, Year

[4] Author Name. Title. Retrieved from http://xxxx.xxx, (Date of retrieval)

[5] I. Phung-on, N. Phuraya, and K. Sritarathorn. 2010. Mechanical Property Study of Physically Simulated Austenitic Stainless Steel Weld Metal. The 2ndSoulth-East Asia International Welding Congress, 25-26 Feb 2010, Thailand

[6] A.E. Fitzgerald, C. Kingsly, Jr. and S.D. Umans. Electric Machinery, 5th ed., McGraw Hill, 1990.

[7] A. Jangvanichalert, and W. Thammasriroj. 1999. Analysis of inverter circuits for induction heating using SCRs. Journal of King Mongkut's Institute of Technology North Bangkok, 7(2), 1-6.

[8] K. Kaehathan, I. Pueng-on, and P. Muanjarn. 2011. A study of the efficiency of using nanoparticles to reduce metal fume for fluxes in various types of welding wire (in Thai). Proceedings of the Industrial Engineering Network Conference 2011, 20 – 21 October 2011, Chonburi, Thailand.

[9] S. Petchsang, B. Poopat and I. Phung-on. 2012. Microhardness and Microstructure on Welding of Nodular Cast Iron Grade FCD 500. AIJSTPM, 5 (1): 55-61.

[10] U.S. Department of Labor. Occupational Safety and Health Guideline for Welding Fumes. Retrieved from http://www.osha.gov/SLTC/healthguidelines/weldingfumes/recognition.html (Sept 20, 2012)