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## Format and Guidelines of Full Paper for the 40<sup>th</sup> Conference of the Mechanical Engineering Network of Thailand (*Title*)

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### **Abstract**

The instructions below are described to guide authors who wish to submit a manuscript to the 40<sup>th</sup> Conference of the Mechanical Engineering Network of Thailand. The submitted manuscript must be clear, concise, and well agree with this conference template to obtain the consistent form with other papers, therefore it can be collected in the conference proceedings uniformly. if you use MS Word, you can apply preset Styles in this file to your text. Otherwise, use this document as a guideline to setup your manuscript. (*Abstract*)

**Keywords:** 3-5 keywords should be provided here to assist with indexing of the article.

### **1 Introduction (*Heading 1*)**

This instruction gives you guidelines for preparing full papers for the 40<sup>th</sup> Conference of the Mechanical Engineering Network of Thailand. Please use this document as a template and adhere strictly to the following guidelines and format to assure rapid production of high quality conference proceedings. Firstly, an extended abstract should be submitted to the committee. After the extended abstract was accepted then the full paper should be submitted to the committee. Finally, after the notification of full paper acceptance, the “camera-ready” manuscript will be required. The typography, layout and style must be the same as those used in this instruction. Papers that do not comply with it (especially in layout geometry and typesetting) will not be included in the proceedings. No final correction will be made by the publisher. (*Body Text*)

### **2 How to Use Styles**

This file contains preset Styles (e.g. Heading 1, Heading 2, Body Text, etc.). for all the paragraphs used in this paper. If you use MS Word to prepare your manuscript, you should use the preset Styles to automatically apply proper formats. To use Styles,

open this files as a starter, replace paragraphs with your contents, and then apply corresponding Styles to your contents. To apply a Style, simply move the cursor to a target paragraph, then click a Style (in the toolbar) that you wish to apply to the paragraph.

A Styles contains formats for an applied paragraph including font, text size, paragraph spacing, numbering, pagination, etc. For example, the section title “1 Introduction” is given by the Style “Heading 1.” The paragraph format is set according to the requirements in subsection 5.1.1 (first-level heading). Do not use hard spaces, hard tabs, hard returns, or page breaks. When a style is applied, all required formats will be done automatically.

### **3 Preparation**

A full paper should contain title, author name(s) and affiliation(s), abstract, keywords, main body, acknowledgements and references. A full paper length is 5 – 8 pages of A4.

A main body of a full paper can be divided into sections and (optionally) subsections. The level of subsections should not exceed three (e.g. 1.1.1).

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All fonts except equations must be in TH SarabunPSK with single spacing. Do not put page number in the manuscript.

### 3.1 Page Size and Format (*Heading 2*)

The size of the manuscript must be A4 (210 mm x 297 mm). The paragraph layout after title, authors, abstract and keywords must be set to two columns and the following margins:

Top margin	25 mm
Bottom margin	20 mm
Left margin	25 mm
Right margin	20 mm
Column width	78 mm
Column spacing	9 mm

### 3.2 Paper ID

The paper ID (e.g. AMM-XXX) is in 20 pt capitalized bold fonts and placed center in the page header. The first three alphabets indicate area or field of the paper. The latter three numbers are paper number, will be assigned when the full paper is accepted. Add the given number for the camera-ready submission.

### 3.3 Title

All items in the title block should be centered across both columns. The title should be set in 18 pt bold type. The first letter of each word should be capitalized. Do not capitalize articles, coordinate conjunctions or prepositions unless the title begins with such a word.

### 3.4 Author(s) Information

The author's name(s) should be set in 14 pt font and the list of affiliations should be set in 12 pt font. The affiliations should include department, university and address. If the paper has more than one author, a numbered superscript should be used to indicate institution affiliation. The corresponding author should be indicated by the asterisk "\*" symbol. The corresponding author's e-mail address should be provided as the final item in the title block.

### 4 Abstract and Keywords

The abstract should be typed in 14 pt font followed by a list of keywords. The titles of abstract and keywords are in 14 pt Italic bold font. Use 12.7

mm (0.5") first line indentation on the abstract text paragraph. In this template file, author may use preset style "Abstract" for abstract body text.

### 5 Main Text Body

The full text of the paper (except the abstract) must be edited in the double column format as required. All fonts are set in 14 pt font. Do not place any additional blank lines between paragraphs. Headings and subheadings should not exceed 3 levels, and should be formatted as follows.

#### 5.1 Headings

##### 5.1.1 First-level Heading (*Heading 3*)

The first-level headings, usually called section, should be boldface, initially capitalized and centered. The section number is run by numbers (e.g. 1, 2, 3) The spacing after the heading should be 6 pt. Before a new section, 12 pt spacing should be placed. In this template file, author may use preset style "Heading 1" for first-level heading.

##### 5.1.2 Second-level and Third-level Headings

The second-level headings (subsections) and the third-order headings (sub-subsections) should be boldface, initially capitalized and flush left. For multiple lines, use 5.5 mm hanging indentation. Before a new sub-section, 6 pt spacing should be placed. In this template file, author may use preset style "Heading 2" for second-level and "Heading 3" third-level heading.

#### 5.2 Body Text

A body text paragraph should have 6.3 mm first-line indentation and be fully justified (flush left and flush right). Do not place spacing between paragraphs. The alignment of a body text is justified (flush left and flush right). In this template file, author may use preset style "Body Text."

### 6 Figure, Table and Equation

#### 6.1 Figure and Table

All figures and tables should be placed after their first mention in the text. Large figures and tables may span across both columns. Place figure captions below the figures and centered within a column (e.g. Fig. 1). Place table titles above the tables and centered (e.g. Table 1). Please verify that the figures

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and tables mentioned in the text actually exist. When citing a figure(s) in the text, they should be referred as, for example, “Fig. 1” or “Table 1.” Do not abbreviate “Table”.

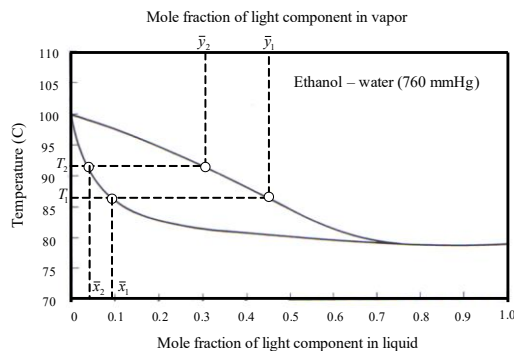


Fig. 1 Example of figure (*Figure Caption*)

Table 1 Example of table (*Table Caption*)

Economic sector	Year	
	2024	2025
1. Agriculture	3,509	3,827
2. Mining	19	26
3. Manufacturing	4,821	4,937
4. Electricity	703	757
5. Construction	169	172
6. Residential and commercial	2,729	2,792
7. Transportation	23,980	25,475
Total	35,930	37,986

### 6.2 Equations

Equations should be placed at center of the column and numbered consecutively. Equation numbers should be Arabic numerals enclosed in parentheses on the right-hand margin. 6 pt spacing should be placed before and after an equation paragraph. Equations should be typed using the Times New Roman and Symbol fonts, with font size 10 pt. Italicize Roman symbols for variables and constants, but not the function name. In this template file, author may use preset style “Equation.”

$$\sin \theta = e^x + c \quad (1)$$

### 7 Acknowledgement

Acknowledgements may be made to individuals or institutes who have made important contributions.

### 8 References

The relevant works must be cited and listed as references at the end of the paper, in order of citation. They should be chronologically referred in the text by Arabic numerals enclosed in square brackets, e.g. [1], [1, 2], [1-3]. The reference list should be typed with the same type face and justified alignment as the body of the text. Some examples of references to journal papers, proceedings, technical reports, books and web-based articles are illustrated as follows:

#### 8.1 Article in Journals

- [1] Kar, A. and Kanoria, M. (2009). Generalized thermo-visco-elastic problem of a spherical shell with three-phase-lag effect, *Applied Mathematical Modelling*, vol.33(8), August 2009, pp. 3287 – 3298.
- [2] Waszkiewics, S.D., Tierney, M.J. and Scott, H.S. (2009). Development of coated, annular fins for adsorption chillers, *Applied Thermal Engineering*, vol. 29(11-12), August 2009, pp. 2222 – 2227.

#### 8.2 Proceedings

- [3] Kato, S. and Widiyanto, A. (2001). Environmental Impact Assessment of Various Power Generation Systems, in *the Tri-University International Joint Seminar & Symposium 2001*, Chiang Mai, Thailand.
- [4] Jungmeier, G. (2001), LCA for Comparison of Greenhouse Emission of Bioenergy and Fossil Energy System, in *the 8<sup>th</sup> Meeting of COST E9-Working Group 3*, Montpellier, France.

#### 8.3 Reports

- [5] Craglia, M. and Annoni, A. (2003). The Spatial Impact of European Union Policies, EUR 20121 EN, Ispra: European Communities.
- [6] Division of Technical Services and Planning, Chiang Mai City Municipality (2003), *Annual Report 2003*.

#### 8.4 Books

- [7] Myers, R.H. and Montgomery, D.C. (1995). *Response Surface Methodology: Process and product optimization using designed experiments*, John Wiley & Sons, New York.
- [8] Goswami, Y.D., Kreith, F. and Kreider, J.F. (1999). *Principles of Solar Engineering*, 2<sup>nd</sup> edition, ISBN: 1-56032-714-6, Taylor & Francis, Philadelphia.

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### 8.5 Web-based Articles

[9] Department of Alternative Energy Development and Efficiency, Ministry of Energy, Thailand (2004). *Statistic Data*, URL: <http://www.dede.go.th>, accessed on 24/04/2010

[10] Spath, P.L. and Mann, M.K. (2002), *Life Cycle Assessment of a Natural Gas Combined-Cycle Power Generation System*, NREL/TP-570-27715, National Renewable Energy Laboratory, Colorado, USA, URL: <http://www.doe.gov>, accessed on 24/04/2010

### 9 Submission

Authors must submit their full paper via the online submission system. The submitted full paper must be in MS Word file. Finally, after the notification of full paper acceptance, a “camera-ready” manuscript will be required.

Please make sure that your file is printable and the printout looks fine, before processing the online submission. The completion of file is self-responsibility of author(s). The committee will not accept the incomplete file.

Please check the deadline for paper submission on the conference website at <http://www.tsme.org/me-nett/me-nett2021/>.

A continuous section break is placed at the end of the paper texts (below this paragraph) in order to end the two-column layout. You can show and hide it by using the button on the toolbar. Please do not remove it.