

Title in English without Abbreviation

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Abstract

The instructions below are specially directed for author(s) who wish to submit an article to the 52nd NGRC. The article must be clear and its format must be consistent with the other papers included in the conference proceedings. Use this document as a template if you are using Microsoft Word. Otherwise, use this document as an instruction to prepare. Thank you for your contribution. We are looking forward to receiving your article. **(The abstract should not have more than 200 words)**

Keywords: 3-5 key words

Abstract and all contents use
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1. Introduction

Abstract and key words are typed in English using a 16-point font and formatted justified on both sides (Justified), type the title "Abstract" in bold **The entire article is limited to 6 - 10 pages A4 paper size (including references).**

This document is intended as a research paper writing guide. It defines both the format and guidelines for typing the article. This will be the same format used in the preparation of the full research paper report (Proceedings). After the article has been considered by the judging panel for the article to be presented at the 52nd NGRC meeting. Author(s) must provide and submit a completed article in a "Camera-ready" manner, where errors that may occur, which will not be corrected, therefore, in order to control the quality and to make the documentation as quick as possible. Author(s) should prepare the article strictly in this format and guidelines.

2. Objective(s) of the study

The full article should contain the article title, author's name and affiliation / institution, abstract, keywords, full content of the article, acknowledgment and references. In the contents, it could be divided into main topics, subtopics, and possibly subtopics. All Font used for typing on all parts must be made up of BrowalliaUPC with size 16, using single space between lines, and each page does not require a page number.

2.1 Size and page set up

By sorting figures and tables, separate the order from each other. The number of figures and tables in the article shall be specified as pictures and tables, such as Figure 1, Figure 2, Table 1, Table 2, etc.

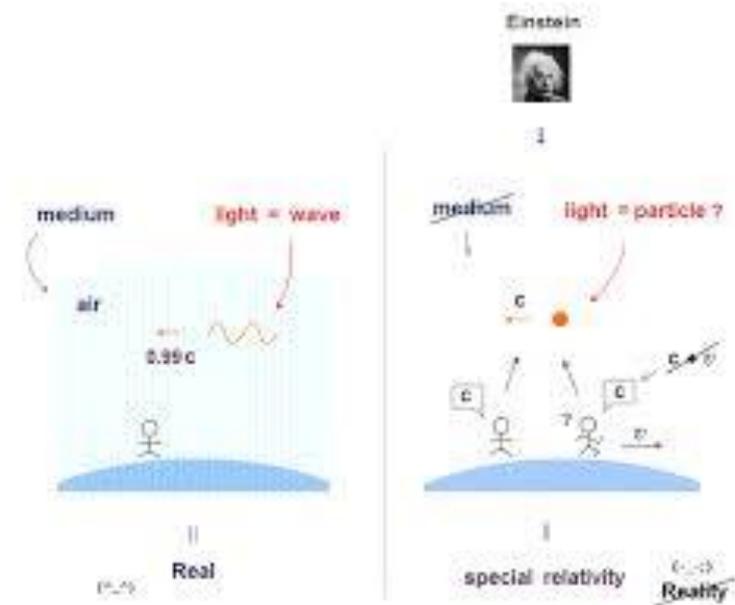


Figure 1 Einstein's Theory of Relativity

Table 1 Estimates of the general inflation rate of various research agencies (unit: percent)

Research unit	Year	
	2019	2020
1. Goldman Sachs	4.2	3.9
2. Kasikorn Research	3.9	4.2
3. DBS	3.8	3.8
4. TMB	3.4 – 4.0	n.a.
5. Deutsche Bank	3.5	3.5
6. KTB	3.5	3.5
7. SCB EIC	3.4	3.8

4.2 Equation

To write an equation, please write it in the middle of the column and specify the order of the equation using numbers printed in parentheses, such as (1), (2), etc.

$$EU = \dot{m}_{s,i} h_i - \dot{m}_{s,o} h_o \quad (2)$$

Where is the useful energy kJ / s

h_i is the enthalpy of incoming steam, kJ / kg

h_o is the enthalpy of the outlet steam, kJ / kg

5. Conclusions and recommendations

Write a summary of the research findings and the benefits that they will bring. Research strengths and weaknesses as well as providing suggestions for further research

6. Acknowledgments

If you want to write an acknowledgment of appreciation to the person or organization involved, you can write this. It is after the main body of the article and before the reference material.

7. References (Vancouver style)

- [1] Mei, V.C. Chen, F. C. and Mathiprakasam, B. (1989). Comparison of thermoelectric and vapor cycle technologies for groundwater heat pump application. *ASME Journal of Solar Energy Engineering*, Vol. 11, pp.353-357.
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- [3] Heenan P. and Mathiprakasam, B. (1992) Development of two-men TE microclimate conditioner for use in army ground-vehicles. *Proceeding of the 11st International Conference on Thermoelectrics*, Arlington USA, 7-9 October 1992, pp. 181-184.
- [4] Lertsatitthanakorn, C. Sarachitti, R. Hirunlabh, J. Khedari J. and Scherrer, H. (2002) Numerical Investigation of the performance of free convected thermoelectric air conditioner. *Proceeding of the 19th International Conference on Thermoelectrics*, Cardiff, UK, 20-23 August 2000, pp. 481-485.
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Other examples

Journal

- [1] 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.

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[1] Kato, S. and Widiyanto, A. (2001). Environmental Impact Assessment of Various Power Generation Systems, paper presented in *the Tri-University International Joint Seminar & Symposium 2001*, Chiang Mai, Thailand.

Report

Division of Technical Services and Planning, Chiang Mai City Municipality (2003). *Annual Report 2003*.

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[1] Myers, R.H. and Montgomery, D.C. (1995). *Response Surface Methodology: Process and product optimization using designed experiments*, John Wiley & Sons, New York.

[2] Goswami, Y.D., Kreith, F. and Kreider, J.F. (1999). *Principles of Solar Engineering*, 2nd edition, ISBN: 1-56032-714-6, Taylor & Francis, Philadelphia.

Website

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

[2] 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>, access on 24/04/2010.

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