

The Instructions for Preparing the Full Paper for the 6th International Conference on Transportation and Logistics (T-LOG 2016)

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Abstract: Initiated by National University of Singapore, University of Tokyo, and Tsinghua University, the International Conference on Transportation and Logistics Conferences (T-LOG Conferences) have served as an effective platform to promote knowledge exchange and facilitate research development for both academics and practitioners. The T-LOG 2016 Conference will be hosted by National Chiao Tung University in Hsinchu, a city known as the Silicon Valley in Taiwan. Due to world trade liberalization and global logistics operation, the exceptional traffic growth has led to tremendous challenges to logistics professionals. With the support of communication technology and data-driven decision making, the conference theme, *Intelligent Logistics for Better Integrated Supply Chains*, is proposed to highlight the critical turning point of transportation and logistics research development. This document contains the detailed instructions for preparing the conference full paper. Papers that do not follow the instructions may not be considered for presentation and publication. (max.: 150 words)

Keywords: Transportation, Logistics, East Asia, Takeuchi Award, Special Issue, Optimization (min. and max.: 3 and 6 keywords respectively)

1. INTRODUCTION

The deadline for the full paper submission of academic papers is April 15th, 2016. The submission must be made through the conference website: <http://tlog2016.conf.tw/> by the corresponding author.

2. PAPER FORMAT

This section describes the general requirements of the full paper. Please do not change the formatting and style layouts which have been set up in this template document. As indicated in the template, papers should be prepared in single column format suitable for direct printing.

- 1) Language: English
- 2) Paper size: A4 paper (210 mm by 297 mm)
- 3) Margins: The top margin is 30 mm, and other margins are 25 mm. Header and footer are 15 mm and 12 mm respectively. The first paragraph for each section/subsection/sub-subsection should not be indented and the subsequent paragraphs should be indented 10 mm.

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- 4) Spacing: Single-spaced
- 5) Font: The standard font type is Times New Roman, and the standard font size of the main text is 12. For tables and figures, the minimal font size is 9.
- 6) Maximum length: 20 pages, including figures, tables, appendices and references.
- 7) Lines and words: The number of lines per page and the number of words per line should follow the standard of the adopted word-processing software.
- 8) Page number: Do not insert page numbers.
- 9) Header/Footer: Do not insert anything in the header and footer, except the footnote for the corresponding author information on the first page.

3. STRUCTURE

3.1 Basic Structure

The title of the paper should be left-aligned in bold fonts with 14 points, where the first character of each word should be capitalized. After a blank line, the list of author(s) should be placed, including the name(s) and the information of the affiliation(s). Each author's surname should be typed in capitals, and the contact information of the corresponding author is provided as the footnote on the first page.

After two blank lines, an **Abstract** must be placed with less than 150 words, and three to six **keywords** should be given. Then, after two blank lines, the main body of the paper starts. The main body is divided in sections and (optionally) subsections. Sections must be numbered, and their titles are typed in bold capitals (e.g., **1. INTRODUCTION**). Subsections must be numbered with two digits, and their titles are typed in bold typeface (e.g., **2.1 Data Collection**). Subsections can be further divided using the sub-subtitle with three digits and bold typeface, where only the first word of the sub-subtitle is capitalized (e.g., **3.1.2 Model validation**). Two blank lines must be left before each section title with the exception of new pages, and one blank line must be placed after each section title. One blank line must be left before and after each subsection title or sub-subsection title with the exception of new pages.

ACKNOWLEDGEMENTS, **APPENDICES**, and **REFERENCES** (left-aligned in bold capitals) can be placed in order, if required.

3.2 Equations, Tables, and Figures

Equations must be written preferably with the same word processor used for the main text. In particular, equations must be numbered sequentially with their numbers in parenthesis, right justified. Do not embed "graphically designed" equations.

$$\text{Minimize } \sum_{j=1}^m \sum_{k=1}^l R_{jk} y_{jk} \quad (1)$$

R_{jk} : rate of segment k for flight j

y_{jk} : decision variable representing the chargeable weight of k for flight j

Tables must be numbered sequentially with a reasonably explanatory title centered over the table. In general, only horizontal lines should be used within a table, to distinguish the column headings from the body of the table, and immediately above and below the table.

Table 1. Summary of approach evaluation for practical size problems

Approaches	Plain IP Application (PIPA)	Prioritized Design by Fixing Time (PDFT)	Prioritized Design by Fixing Relation (PDFR)
Priority	Same priority for existing and new ships	Extremely high priority for existing ships	Relatively high priority for existing ships
Scenario	Brand new design	Incremental demand from insignificant new customers	Incremental demand from new customers with some potential
Flexibility in Ship Allocation	High	Low	Balanced
Average Number of Ship Inserted	2.75*	4.75	6.25
Average Usage Level	71.45%*	75.47%	79.11%
Computation Time	Extremely long (above 2 hours)	Short (minutes)	Extremely short (seconds)

* due to the two-hour computation time limit

Figures must be drawn by good quality graphic software and numbered sequentially with a reasonably informative title centered under the figure. Figures should be placed at the top or bottom of a page wherever possible, close to the first reference to them in the main text.

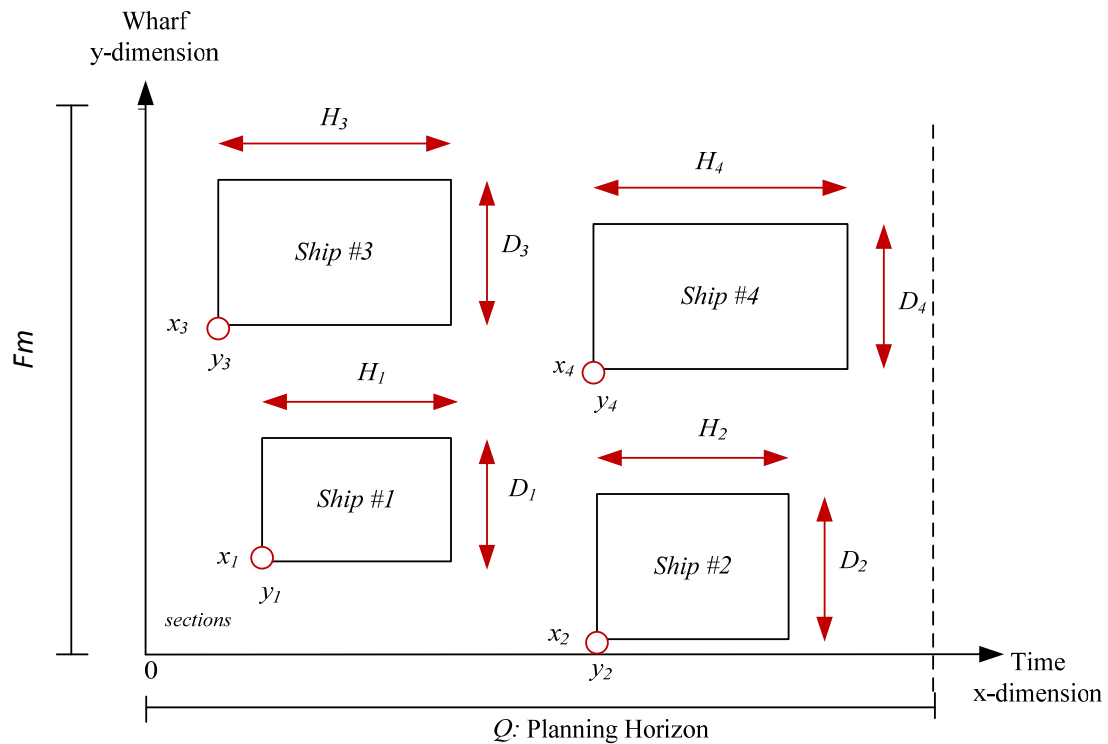


Figure 1. Illustration of a berth template and some parameter definitions

4. PAPER SUBMISSION

Authors are requested to submit the full paper as a PDF file. The requirements of the PDF file are “Embedding all fonts” and “Bitmapped image over 300 dpi resolution.” Do not set a password to the submitted PDF file. Never use multi-byte characters (e.g., Chinese, Korean, and Japanese characters) at any place of the paper, including figures and tables, to avoid file conversion problems. In general, it is recommended to use the following filename format, OneLetterPaperType-FourDigitPaperNumber_FirstAuthorSurname, such as A-0051_Huang, for which the paper ID (A-0051) was assigned during the abstract submission stage.

5. REFERENCES

In the main text, citations are referred by the surname(s) of the author(s) with the year of publication in parenthesis such as Greene (1993); if the citation is itself in parenthesis, the year of publication is separated by a comma such as (Cervero, 2007; Huang and Chang, 2010). If the citation has more than two authors, only the surname of the first author followed by *et al.* in italics appears in the main text such as Zhang *et al.* (1994).

At the end of the paper, references must be given alphabetically by author’s surname including: surname(s) and initials of author(s), separated by a comma, year of publication in parenthesis, title of paper, *title of the journal in italic typeface*, and first and last page numbers. For the case of books, *the title of the book must be in italic typeface and initial capitals*, and the publisher and the city of publication must be indicated.

The following examples present some of the most typical cases of references. Please follow them as strictly as possible.

REFERENCES

- Cervero, R., 2007. Transit-oriented development’s ridership bonus: A product of self-selection and public policies. *Environment and Planning A*, 39, 2068-2085.
- Econometric Software, 1994. *LIMDEP*, Econometric Software Inc., New York and Sydney.
- Greene, W.H., 1993. *Econometric Analysis*, MacMillan, New York.
- Huang, K., Chang, K., 2010. An approximate algorithm for the two-dimensional air cargo revenue management problem. *Transportation Research Part E*, 46, 426-435.
- Johnson, L.W., 1990. Discrete choice analysis with ordered alternatives. In Fisher, M.M., Nijkamp, P., Papageorgiou, Y.Y. (eds.), *Spatial Choices and Processes*, North Holland, Amsterdam.
- Kocur, G., Adler, T., Hyman, W., Aunet, B., 1992. Guide to forecasting travel demand with direct utility assessment. Report No. UMTA-NH-11-1-82, U.S. Department of Transportation, Washington, D.C.
- Nishi, K., Kitamura, R., Kondo, K., Genma, S., 1995. Parameter estimation methods for repeated measurement data: Mass point model and mixing distribution model. *Journal of Japan Society of Civil Engineering*, 506 (IV-26), 25-33. (in Japanese)
- Zhang, J., Fujiwara, A., Uno, M., 2009. Is trip-making utility positive or negative? - A preliminary examination based on day reconstruction method, Paper presented at the 12th International Conference on Travel Behaviour Research, Jaipur, Rajasthan, India, 13-18.