Title of Innovation Paper for IPIC 2024 Conference

Author 11 and Author 2,2

Affiliation, city, Country

Affiliation, city, Country

Corresponding author: address email

*Here are some rules and guidelines for submitting your innovation paper for the IPIC 2024 conference. This document applies these rules.*

Abstract: *The paper should include an abstract with 100 – 200 words italicized in font size 12pt.*

Keywords: *Include 3 to 10 keywords (including Physical Internet), size 12, in italic.*

***Physical Internet (PI) Roadmap Fitness****: Select the most relevant area(s) for your paper according to the PI roadmaps adopted in Europe and Japan:*[ ]  *PI Nodes (Customer Interfaces, Logistic Hubs, Deployment Centers, Factories),*[ ]  *Transportation Equipment,* [ ]  *PI Networks,* [ ]  *System of Logistics Networks,* [ ]  *Vertical Supply Consolidation,* [ ]  *Horizontal Supply Chain Alignment,* [ ]  *Logistics/Commercial Data Platform,* [ ]  *Access and Adoption,* [ ]  *Governance.*

***Targeted Delivery Mode-s****:* [ ]  *Paper,* [ ]  *Poster,* [ ]  *Flash Video,* [ ]  *In-Person presentation*

# Introduction

The paper must be written in English and be limited to 10 pages long (single column).

The submitted manuscript will be submitted to a peer review process. The original and revised versions of the paper should be submitted via Easy Chair conference website: <https://easychair.org/conferences/?conf=ipic2024> .

In order to achieve rapid conference proceedings publication, the final peer reviewed paper will be registered directly from the authors’ version. The authors are therefore fully responsible for the quality of their article, including illustrations. Authors are strongly advised to have their final draft read by at least two other persons (fluent in English) before sending the submitted final version.

Please, see <https://www.pi.events/IPIC2024/call-for-contributions> for abstract and submissions deadlines.

# Printing format

The paper must be typed with single spacing on A4 paper. Use of the "Times New Roman" typeface, size 12, is required. Do not indent when starting a new paragraph. Leave 6 point spacing before paragraphs, 12 points before the keywords and also main sections, and 18 points before the abstract and the first introductory section. Margins must be mirrored, along the inside 3 cm, outside, top and bottom 2 cm.

# Paper layout

## Beginning of the paper

As illustrated above, the following items should appear at the beginning of the paper:

* Title of the paper: size 16, bold face, centered;
* Names of authors: size 12, centered;
* Addresses of authors, followed by the corresponding author’s email address: size 12;
* Abstract of 100 to 200 words (size 12, italic) preceded by "Abstract:" (size 12, bold);
* Three to ten keywords (size 12, italic) preceded by "Keywords:" (size 12, bold).

# Structure of the paper

Authors are requested to restrict the use of headings to three levels maximum. The headings should be presented as given below and as shown on this document. Main headings should be typed using size 14 and bold; left justified; with 12-point space above and none below. They should be numbered using Arabic numerals.

## Subheadings

Second level headings should be typed using size 12 and bold; left justified; with a 12-point space above and none below. They should be numbered using Arabic numerals where the first digit corresponds to the first heading’s number followed by a period and the number of the second level heading. For example, subheadings of heading ‘’1.’’ would be 1.1, 1.2, etc.

### Sub-sub-headings

Sub-sub-headings, third level, should be typed using size 12, bold and italics; left justified; with a 6-point space above and none below; with no numerals, as shown in this text.

# Footnotes

Footnotes should be avoided as much as possible. Necessary footnotes should be denoted in the text by consecutive numbers. The footnotes should be typed single spaced, and in size 8, at the foot of the page on which they are mentioned and be separated from the main text by a line extending halfway across the page. Leave a two-line space above the footnote line.

# Objects

Here are some guidelines on the formatting of objects such as equations, Figures and Tables.

### **Equations**

Simple expressions should be left in the text. Larger equations should appear apart from the text, with the corresponding reference number right aligned, as in equation (1).

$\left(x+a\right)^{n}=\sum\_{k=0}^{n}\left(\genfrac{}{}{0pt}{}{n}{k}\right)x^{k}a^{n-k}$ (1)

In the case of a mathematical model, the layout should be unified, such as in the next example (equations (2) – (3)):

$π\left(t\right)=\sum\_{i=1}^{n}C\_{i}Q\_{i}(t)$ (2)

$β\left(t\right)=\sum\_{i=1}^{n}T\_{i}R\_{i}(t)$ (3)

A 12-point spacing should be added before and after sets of equations.

### Figures

Illustrations should be as close as possible to their first reference. Care should be taken to ensure that they are still of an adequate size to be readable after reduction to the final page size. References to figures should appear in the text using the full word figure and no abbreviation is allowed. Figure 1 sourced from Montreuil (2013) gives an example of how to introduce a figure in the paper. Figure caption should be below the figure, in italics, size 11.

Please check if the illustrations you will use have a resolution of 300 dpi.



Figure 1: Illustrating Interconnected Transportation of a Multi-Destination Shipment

### Tables

Tables should be centered and should be referenced using the full word table, as illustrated in Table 1, sourced from Sarraj et al. (2013). Table caption should be above the table, in size 11, italicized.

*Table 1: This is an example of a Table*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Scenario Family | Scenario | ContainerSet | RouteCriterion | Mean Weight Loading | MeanHubs/Route | MeanLead Time (h) | CO2(t) | Logistics cost (k€) |
| 0 | NA | NA | NA | 59% | 0 | 5.86 | 52 742 | 81 976 |
| 1 | 1.3.C | 3 | Cost | 76% | 2.25 | 8.89 | 45 599 | 68 429 |
| 1 | 1.3.T | 3 | Time | 75% | 1.93 | 8.69  | 46 682  | 68 861 |
| 2 | 2.3.C | 3 | Cost | 72% | 2.28 | 8.73 | 29 878 | 62 275 |
| 2 | 2.3.T | 3 | Time | 70% | 1.66 | 8.45 | 33 035 | 64 591 |
| 2 | 2.3.E | 3 | CO2 | 72% | 2.94 | 9.88 | 23 600 | 65 720 |
| 3 | 3.3.E | 3 | CO2 | 67% | 2.95 | 11.84 | 22 120 | 57 724 |
| 3 | 3.3.C | 3 | Cost | 65% | 2.30 | 10.69 | 27 584 | 56 057 |

# References

In the text, references must be identified by the surname of the author and their year of publication. Two or more references by the same authors published in the same year are differentiated by letters a, b, c etc. For references with more than two authors, text citations should be shortened to the first author’s name followed by ‘et al.’. In textual citations, only the year of publication appears in parenthesis while in parenthetical citations both the author’s name and the year of publication are between brackets.

Here is an example of textual citations: Meller et al. (2012) discovered that ..., and Montreuil (2011) introduced ...

Here is an example of parenthetical citations: Recent results (Ballot and Fontane, 2008; Meller et al., 2012; Sarraj et al., 2011) provide evidence that...

References should be listed in alphabetical order at the end of the paper as shown in the example at the end of this document. References of the same author(s) should appear in chronological order.

# Conclusion

Full responsibility for the paper rests with the authors. They must have taken the necessary steps to obtain permission for using any material that might be protected by copyright. The Conference Organization shall not undertake corrections to the paper and has the right to omit your paper from the Proceedings if it does not conform to the instructions.

Overall, the authors are invited to provide the best quality paper possible, contributing to Physical Internet research, innovation, and deployment.

**References**

* Ballot E., F. Fontane (2008): *Rendement et efficience du transport: un nouvel indicateur de performance*. Revue Française de Gestion Industrielle, v27, no2, 41-55.
* Kurose J., K. Ross, A. Wesley (2009): Computer Networking: A Top Down Approach Featuring the Internet, 5th edition, Addison-Wesley, U.S.A., March 2009.
* Labarthe O., W. Klibi, B. Montreuil (2023). Urban Synchromodality: Synergies between Freight and People Mobility in Urban Areas, **Proceedings of IPIC 2023 International Physical Internet Conference**, Athens, Greece, 10 p. [www.pi.events](http://www.pi.events/)
* Meller R.D., K.P. Ellis, B. Loftis (2012): From Horizontal Collaboration to the Physical Internet: Quantifying the Effects on Sustainability and Profits When Shifting to Interconnected Logistics Systems, Final Research Report of the CELDi Physical Internet Project, Phase I, <http://faculty.ineg.uark.edu/rmeller/web/CELDi-PI/Final%20Report%20for%20Phase%20I.pdf>, 2014/02/20.
* Montreuil B. (2011): Towards a Physical Internet: Meeting the Global Logistics Sustainability Grand Challenge, Logistics Research, v3, no2-3, 71-87,
<https://doi.org/10.1007/s12159-011-0045-x>
* Montreuil B. (2013): Physical Internet Manifesto, v1.10, (Original v1.0, 2009), [www.physicalinternetinitiative.org](http://www.physicalinternetinitiative.org/), 2014/02/20.