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1 Manuscript Submission

Legal requirements

Submission of a manuscript to *Journal of Intelligent and Connected Vehicles* implies: that the work described has not been published before in any format including in languages other than English; that is not under consideration for publication anywhere else; that its submission and publication has been approved by all co-authors, if any, as well as by the responsible authorities at the institute where the work has been carried out. The publisher will not be held legally responsible should there be any claims for compensation.

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- Cover letter (mandatory).
- Manuscript prepared using Microsoft Word based on the Journal's template (mandatory).
- Replication package (mandatory for accepted articles).
- Electronic supplementary materials (optional).
- Graphical abstract (optional).

2 Manuscript Preparation

2.1 Article types

Journal of Intelligent and Connected Vehicles publishes Review, Research Article, Discussion, Editorial, etc.

Review

A Review is an authoritative, balanced survey of recent developments about a specific topic in the interest of the journal's community. Although Reviews should be recognized as scholarly by specialists in the field, they should be written with a view to informing non-specialist readers. Thus, Reviews should be presented using straightforward prose, avoiding excessive jargon and technical detail. Reviews should be about 9000 words long and typically include no more than 8 display items (figures or tables).

Research Article

Research articles are expected to present a major advance to the intelligent and connected vehicle

field. Articles include an abstract (no more than 250 words) and sections with sub-headings such as introduction, data, results, discussions, conclusions, and methods. Figures or tables are particularly encouraged. A typical full-length article is no more than 7000 words no more than 8 display items (figures or tables).

In particular, **open data and codes for replication** are encouraged. For accepted articles, the authors are obligated to provide all relevant materials (e.g., raw, secondary or processed data, programs, experiment information, and simulation details) required for reproducing the main results of their articles, before being sent to production.

Discussion

Discussions present in-depth analysis of a heavily discussed research topic, product, and/or trend of innovation related to the journal's community. They should be commissioned by the editors. They should be of immediate interest to a broad readership and should be written in an accessible, non-technical style. A typical discussion should not exceed 1500 words in text, no abstract, up to 2 display items, and no more than 10 references.

Editorial

Editorials present a short, invited opinion piece that discusses an issue of a critical topic/theme that may attract due attention by the community. Editorials should be forward-looking and/or are able to stimulate novel research ideas. Editorials should have fewer than 1500 words in total, no abstract, a minimal number of references (definitely no more than 5) and at most 1 display item.

2.2 Manuscript format

Language

The Journal's language is English. Either British English or American English spelling and terminology may be used, but the system chosen should be followed consistently throughout the manuscript. Please write the text in good English. Possible grammatical or spelling errors should be carefully avoided, making the submissions conform to accepted standards of written technical English. The Journal's editors are not responsible for correcting errors in grammar or spelling. Manuscripts that require extensive English revision may be rejected without review.

Please always use past tense to state the authors' or previously reported work (experiments, observations, analyses, and discussions) and the present tense to state the experimental facts and conclusions.

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For submission in Microsoft Word, use a normal, plain font (e.g., 10.5 point Times New Roman), double space line, and one column for text. Use the automatic page numbering function to number the pages. Do not use field functions. Use tab stops or other commands for indents, not the space bar. Use the table function, not spreadsheets, to make tables. Use the equation editor or MathType for equations. Note: If you use Word 2007, do not create the equations with the default equation editor but use MathType instead.

3 Detailed Formatting Instructions

Please follow this order to type the manuscript: Title page, Abstract, Keywords, Main text (including tables and figures), Appendix (if necessary), Replication and data sharing, Acknowledgements,

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The title page should include:

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- The name(s) of the author(s), with symbols to line each name with that author's institutional affiliation and an asterisk to denote the corresponding author(s). The author list should include only those who have made significant scientific contributions to the manuscript. Others who have contributed to the work should be noted in the Acknowledgements.
- The affiliations and mailing addresses of the authors. Indicate all affiliations with a lower-case superscript letter immediately after the author's name and in front of the appropriate address. Provide the full postal address of each affiliation, including the country name.
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Changes to the author list between initial submission and revision must be accompanied by an explanatory statement in the cover letter for the revision and a completed "Change in Authorship Request" form, which will be sent by the Journal Editorial Office. These changes will be accepted at the discretion of the Editor and may lead to rejection of the manuscript. Changes of authorship or the order of authors are *not* accepted *after* acceptance of a manuscript.

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A concise and factual abstract is needed for manuscript except Editorial to state the main purpose and research questions of the study, the methods, the main results, and the key conclusions. Abstract should be 120–250 words in length. No footnotes, references, figures, or tables may appear in the abstract.

Immediately after the abstract, please provide 4–6 keywords, which can be used for indexing purpose. Keywords are not required for Editorial.

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Footnotes. Essential footnotes to the text should be numbered consecutively and placed at the bottom of the page to which they refer. Footnotes to the table should be indicated by superscript lower-case letters (or asterisks) and placed immediately below the table.

Units. Please follow internationally accepted rules and conventions such as those defined by the International Organization for Standardization (ISO). If other units are mentioned, please give their equivalent in supplementary information.

Formulae and symbols. Formulae, symbols, and all subscripts, superscripts, Greek letters, and other characters must be legible and carefully checked. Standard mathematical notation should be used. All symbols used in manuscript must be explained. If necessary, a list of symbols may be provided and placed before the Introduction section.

Equations. Numbering consecutively any equations that have to be displayed separately from the text (if referred to explicitly in the text), and referring the equation with Eq. (1), Eq. (2) ... in the text. For the simple formulae which appear in the line of normal text, please use solidus (/) instead of a horizontal line for small fractional terms, e.g., x/y . Powers of e are often more conveniently denoted by “exp”. In principle, variables should be presented in italics.

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An appendix, if needed, is presented without numbers. If there are two or more appendices, they should be numbered consecutively. Equations in appendices should be designated differently from those in the main body of the manuscript, e.g., (A1), (A2), etc. In each appendix, equations should be numbered separately.

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transportation research community.

Acknowledgements

The content of Acknowledgments is a list of people who contributed to the work in the manuscript but are not named in the author list, and a list of funding sources that supported the research presented. The names of funding organizations should be written in full.

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Authors are required to disclose financial or non-financial interests that are directly or indirectly related to the work submitted for publication. Please refer to “Competing Interests” below for more information on how to complete this section. Please note: If no conflict exists, the authors should state:

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The authors have no competing interests to declare that are relevant to the content of this article.

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If ESM is submitted, it will be published as received from the author in the online version only. ESM may consist of: (i) information that cannot be printed: animations, video clips, sound recordings; (ii) information that is more convenient in electronic form: sequences, spectral data, etc.; (iii) large amounts of original data, e.g., additional tables, illustrations, etc. If supplying any ESM, the text must make specific mention of the material as a citation, similar to that of figures and tables (e.g., Fig. S1 in the ESM). Besides, a paragraph should be added before the “References” section (e.g., Electronic Supplementary Material: Supplementary material (add a brief description) is available in the online version of this article at...).

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- Smith (2002) found...
- (Smith, 2002)

2. Two Authors

- Smith and Jones (2003) found...
- (Smith and Jones, 2003)

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1. Journal papers (up to six authors should be listed)

Qu, X., Wang, S., Zhang, J., 2015. On the fundamental diagram for freeway traffic: A novel calibration approach for single-regime models. *Transport Res B-Meth*, 73, 91–102.

Zheng, Z. D., 2021. Reasons, challenges, and some tools for doing reproducible transportation research. *Commun Transport Res*, 1, 100004.

2. Books and articles in books

Peyret, R., Taylor, T. D., 1983. *Computational Methods for Fluid Flow*. 2nd edn. New York: Springer-Verlag Berlin Heidelberg, 216–227.

Volpe, R., 1994. Techniques for collision prevention, impact stability, and force control by space manipulators. In: *Teleoperation and Robotics in Space*. Skaar, S. B., Ruoff, C. F., Eds. Washington DC, USA: The American Institute of Aeronautics and Astronautics, 175–212.

3. Papers in proceedings

Morris, J. D., 1992. Convective heat transfer in radically rotating ducts. In: *Proceedings of the Annual Heat Transfer Conference*, 227–234.

4. Reports, theses, and individual papers

Chapman, G. T., Tobak, M., 1984. Nonlinear problems in flight dynamics. NASA TM-85940.

Tseng, K., 1983. Nonlinear Green's function method for transonic potential flow. Ph.D. Dissertation. Cambridge, MA, USA: Boston University.

5. Preprint

Dehghani, M., Djolonga, J., Mustafa, B., Padlewski, P., Heek, J., Gilmer, J., et al., 2023. Scaling vision transformers to 22 billion parameters. <https://doi.org/10.48550/arXiv.2302.05442>

6. Website

International Organization for Standardization (ISO), 2022. ISO: Road vehicles — Safety of the intended functionality, ISO21448:2022. <https://www.iso.org/standard/77490.html>

4 Review Process

The Journal follows a single-blind reviewing procedure. The benefit of single-blind peer review is

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Initial check

The submitted manuscript will be initially checked by the Executive Editor-in-Chief. At this stage, a decision of "Reject without review" would be made for the submissions which do not meet the guidelines set out in this document. In addition, manuscripts are automatically checked for text overlap. Those with high overlap scores may also be rejected directly without further review. We are sorry that we cannot provide the detailed report for the text overlap check.

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Manuscripts which pass through the initial check will be preliminarily assessed by one or more assistant editors. At this stage, the Executive Editor-in-Chief has sole discretion, with the help of the invited assistant editors, on whether to send the manuscript for peer review or reject it without review.

Special emphases will be paid on the readability and the attractiveness of the submitted manuscripts. Manuscripts without an attractive abstract and/or a comprehensive and convincing introduction will be rejected at this stage without detailed comments.

Peer review

Around four reviewers will be invited for peer review. When a submission has at least two (or one in exceptional cases) useable reports, the Executive Editor-in-Chief will use the reviewers' comments to decide whether to accept the manuscript for publication, return it for revision (major or minor), or reject it. Infrequently, after several rounds of invitations to peer reviewers, a submission may receive no reports. In this case, the submission may be rejected at the editor's discretion.

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Examples of such statement(s) are shown below:

- Free text:

All authors contributed to the study conception and design. Material preparation, data collection and analysis were performed by [full name], [full name] and [full name]. The first draft of the manuscript was written by [full name] and all authors commented on previous versions of the manuscript. All authors read and approved the final manuscript.

- Conceptualization: [full name], ...; Methodology: [full name], ...; Formal analysis and investigation: [full name], ...; Writing - original draft preparation: [full name], ...; Writing - review and editing: [full name], ...; Funding acquisition: [full name], ...; Resources: [full name], ...; Supervision: [full name],...

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Authors should include the following statements (if applicable) in a separate section entitled “Compliance with Ethical Standards” when submitting a paper:

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