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- Environmental perception for ICVs.
- Deployment and operations of ICVs as elements of intelligent transportation systems.
- HD map and localization for ICVs.
- V2X and Vehicle Infrastructure Cooperative Systems.
- Intelligent driving decision and control.
- Modelling and analysis on drivers' behaviors.
- HMI and co-driving.
- Functional safety evaluation on ICVs.

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# Instructions for Authors

- 1 [Manuscript Submission](#)
- 2 [Manuscript Preparation](#)
- 3 [Detailed Formatting Instructions](#)
- 4 [Review Process](#)
- 5 [After Acceptance](#)
- 6 [Ethical Responsibilities of Authors](#)
- 7 [Authorship Principles](#)
- 8 [Compliance with Ethical Standards](#)
- 9 [Competing Interests](#)

## 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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- Replication package (mandatory for accepted articles).
- Electronic supplementary materials (optional).
- Graphical abstract and Highlights (optional).

## **2 Manuscript Preparation**

### **1.1 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).

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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).

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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.

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The Journal's language is English. Either British English or American English spelling and terminology

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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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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, Declaration of competing interest, References, Graphical abstract, and Electronic supplementary material (if necessary).

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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

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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.

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## **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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The authors declare that they have no known competing financial interests or personal relationships that could have appeared to influence the work reported in this paper.

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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.

Li, X. H., Du, Y. Q., Chen, Y. Y., Nguyen, S., Zhang, W., Schönborn, A., 2022. Data fusion and machine learning for ship fuel efficiency modeling: Part I – Voyage report data and meteorological data. *Commun. Transport. Res.* 2, 100074.

### 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: The American Institute of Aeronautics and Astronautics, 175–212.

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

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

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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. Unsolicited articles are evaluated by fit with the mission statement of the Journal, perceived quality and novelty of the work, potential interest to the Journal's readership, and the standard of presentation (including the standard of technical written English and the quality of figures). 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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