



TRB 2024 Committee Call for Papers



Freight Transportation Planning and Logistics Committee (AT015)

CFP: Freight Transportation, Logistics Analysis & Modeling

AT015 invites you to Submit Papers for the upcoming TRB Annual Meeting 2024 that will also lead to the selection of 2 Best Paper Awards. Papers are invited under the *broad theme of freight transportation and logistics systems planning, modeling, and policy analysis*. Of particular interest are papers investigating:

- ✓ Strategies to decarbonize the freight transportation sector;
- ✓ Trends and evolution of post-COVID freight demand, and planning and policy responses;
- ✓ AI/machine learning with freight applications for better predictive and prescriptive modeling;
- ✓ Equity in freight transportation: definitions and approaches to address equity gaps;
- ✓ Challenges and solutions for privacy and cybersecurity in connected & automated freight.
- ✓ More Topics on Page 2 of this CFP

Two Best Paper Awards (Academic and Practice-Ready)

For TRB 2024, we are selecting **two papers** for the Best Paper Award submitted for publication in the Transportation Research Record. The best paper selection is based on the **significance of the scientific contribution** and **practical application**.

More about previous Best Paper Awards: <https://freightplanning.org/best-award-papers/>

Send questions to Bo Zou (AT015 Review Coordinator) at bzou@uic.edu at the University of Illinois Chicago and/or Sushant Sharma (Committee Chair) at s-sharma@tamu.edu at Texas A&M Transportation Institute

Please **select CFP from the drop-down** or indicate [AT015] on the Submission Review form to indicate that the paper is being submitted to our committee. Authors can suggest that a certain committee review a paper, but TRB decides how it will be reviewed. Further, we have moved away from the notion that a committee reviews a paper, and more toward the idea that papers are reviewed by subject matter experts, regardless of the committee.



Papers in urban or rural areas, multi-modal or intermodal, public or private, and regional or global are welcome. Sample topics include (but are not limited to) the following:

Non-Traditional Areas

- Coupling of electrification and automation, its implications for freight efficiency and sustainability.
- Innovations in using robots, drones, and active transportation to decarbonize last-mile delivery.
- Transportation, distribution, and storage of alternative energy (battery, hydrogen, etc.).
- Stakeholder behavioral change and adaptation during and after the COVID-19 pandemic.
- Applications of innovative data-driven predictive and prescriptive analytics.
- Identification and categorization of freight equity gaps and policies to address the gaps.
- Role of CPS, IoT, and related cybersecurity issues in connected and automated freight movements.

Traditional Areas

- Network modeling of freight commodity and traffic flow.
- Shipper, carrier, receiver, consumer behavioral models, and decision support tools.
- Commercial vehicle operations, policies, and programs: e.g., weigh-in-motion, drayage, off-peak hour deliveries, and long-haul truck parking.
- Facility operations: e.g., cross-dock operations, port operations, and railyard scheduling.
- Freight transportation economics, including pricing, mechanism, and policy design for better interactions between private operators and public agencies.
- Incident management and safety in freight movements (including hazardous material), e.g. train derailments, truck accidents.
- Emergency relief and humanitarian logistics.

Important: If you are considering using a large language model [(LLM), e.g. ChatGPT] or generative AI to help prepare your manuscript for submission to TRBAM or TRR, you must comply with the following statement from COPE (Committee on Publication Ethics):

Authors who use AI tools in the writing of a manuscript, production of images or graphical elements of the paper, or in the collection and analysis of data, must be transparent in disclosing in the Materials and Methods (or similar section) of the paper how the AI tool was used and which tool was used. Authors are fully responsible for the content of their manuscript, even those parts produced by an AI tool, and are thus liable for any breach of publication ethics.

Specifically, authors are required to:

- (1) Clearly indicate the use of language models in the manuscript, including which model was used and for what purpose. Please use the methods or acknowledgements section, as appropriate.
- (2) Verify the accuracy, validity, and appropriateness of the content and any citations generated by language models and correct any errors or inconsistencies.
- (3) Provide a list of sources used to generate content and citations, including those generated by language models. Double-check citations to ensure they are accurate and properly referenced.
- (4) Be conscious of the potential for plagiarism where the LLM may have reproduced substantial text from other sources. Check the original sources to be sure you are not plagiarizing someone else's work.
- (5) Acknowledge the limitations of language models in the manuscript, including the potential for bias, errors, and gaps in knowledge.

Please note that AI bots such as ChatGPT should not be listed as an author on your submission.