

ISTRRC Call for Conference Grants 2023/2024:  
**Max-Pressure traffic control modifications: improving  
the computation of downstream turning ratios and  
enhancing the calculation of pressures**

May 2, 2024

## **1 Academic reporting**

### **1.1 Conference Report: 103rd Transportation Research Board (TRB) Annual Meeting**

The 103rd Transportation Research Board (TRB) Annual Meeting was an interesting event for professionals engaged in transportation research and practice. The conference assembled a diverse group of academics, practitioners, and policymakers from around the world, providing a forum to share the latest advancements, discuss challenges, and explore future directions in transportation engineering.

The atmosphere of the conference was filled with enthusiasm and a collaborative spirit. Presenting my paper on "Max-Pressure traffic control modifications" allowed me to engage directly with other experts in my field, receiving constructive feedback and broadening my understanding of related research areas. The sessions were well-organized, covering a wide range of topics that are critical to the evolution of traffic management technologies.

One of the significant takeaways from the conference was the emphasis on sustainable and equitable transportation solutions. Several sessions highlighted innovative approaches to minimizing transport externalities, which resonate with the goals of my research (the Vision of "Zero Transport Externalities"). Learning about different methodologies and technologies being developed around the world was particularly beneficial.

#### **Recommendations for Future Participants**

- 1. Preparation is Key:** Attendees should arrive well-prepared with an in-depth understanding of their own research and pertinent questions for other presenters. This preparation will facilitate better discussions and enhance learning opportunities.

2. **Networking:** The TRB Annual Meeting provides a unique platform for networking with leading experts in transportation. Attendees should actively engage in networking sessions to forge valuable connections that could lead to future collaborations.
3. **Choose Your Sessions Wisely:** Given that it is impossible to attend all sessions, attendees should review the conference schedule in advance through the website. This review will help in selecting sessions that are most relevant to their research interests, thereby optimizing their time at the conference.
4. **Feedback and Collaboration:** Be open to receiving feedback on your work and actively seek opportunities for collaboration. The insights and suggestions from peers can significantly enhance the quality and impact of your research.

### **Conclusion**

The TRB Annual Meeting was an invaluable experience for me as a developing researcher. It not only provided a platform to present my research and receive feedback but also offered insights into the current trends and future directions of transportation engineering. The connections made and knowledge gained will undoubtedly impact my future work.