

Student research project/thesis

Development and Evaluation of Auralized Traffic Scenes for Urban Soundscape Studies



Our study introduces a novel approach to urban soundscape analysis, utilising auralized sound sources and benchmarking techniques to evaluate diverse traffic scenes. This innovative method aims to enhance existing auralization models for various traffic scenarios. These models will be validated through soundscape recordings from the same scene and VR listening experiments. The resulting auralized sounds will be integrated into a repository for the development of a Digital Twin of the city of Dresden, paving the way for a wide range of future soundscape studies.

If you are interested in the development of this project, please contact us.

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