

Student research project/thesis

Development and Evaluation of Auralized Sound Interventions for Urban Soundscape Studies



Noise, as identified by the World Health Organization, is the second major pollutant in urban environments. Various methods can be adopted to control this, but their effectiveness must be verified to prevent potential losses. A promising approach to this verification is the auralization of sound sources and soundscapes. This project aims to auralize controlled sound sources and soundscapes, which incorporate noise abatement measures and soundscape interventions. The resulting auralized sounds will be integrated into a repository for the development of a Digital Twin of the city of Dresden, a significant step towards enhancing urban planning and environmental science through soundscape studies.

If you are interested in the development of this project, please get in touch with us.

Ms Özlem Gök, M.Sc. (oezlem.goek_tokgoez@tu-dresden.de)

Barkhausenbau, Raum BAR 59, 0351 463 35524

Ms Dr Margret Engel (margret.engel@mailbox.tu-dresden.de)

Barkhausenbau, Raum BAR 77, 0351 463 37510

