

Master thesis »Deep Learning-Based Audio Analysis for Avian Population Estimation«

Description

The Fraunhofer Institute for Digital Media Technology IDMT is part of the Fraunhofer-Gesellschaft. Headquartered in Ilmenau, Germany, the institute is internationally recognized for its expertise in applied electroacoustics and audio engineering, AI-based signal analysis and machine learning, and data privacy and security. At the headquarters, on the campus of "Technische Universität Ilmenau" researchers work on technologies for robust, trustworthy AI-based analysis and classification of audio and video data. These are used, among other things, to monitor industrial production processes, but also in traffic monitoring or in the media context, for example when it comes to automatic metadata extraction and audio manipulation detection. Another focus is the development of algorithms for the areas of virtual product development, intelligent actuator-sensor systems and audio for the automotive sector. There are currently around 70 employees working at Fraunhofer IDMT in Ilmenau.

In the group Semantic Music Technologies at the Fraunhofer IDMT, one of the main research focuses is on extracting meaningful information, identifying patterns, and making sense of complex acoustic recording. For this purpose, methods from audio signal processing and machine learning are often combined.

What you will do

Job Benefits

USD 30K – 56K *

Hiring organization

Candidate-1st

Employment Type

Full-time

Beginning of employment

asap

Job Location

Ilmenau, DE, 98693

Working Hours

40

Base Salary

euro USD 30K - 56K *

Date posted

May 14, 2024