Team Possegger
Institute of Visual Computing
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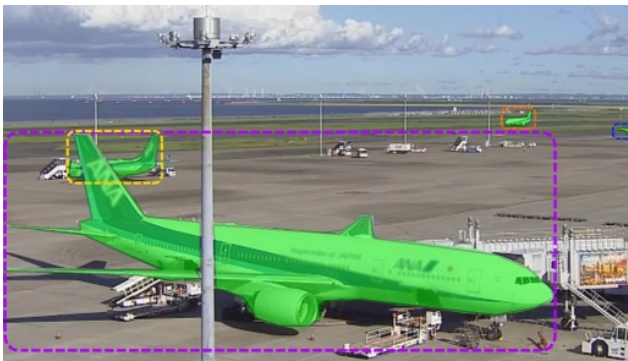INSTITUTE OF VISUAL COMPUTING

Multimodal Domain Adaptation for Enhancing Airplane Detection and Tracking

Bachelor Thesis / Seminar Project / Master Thesis

Objective:

This project aims to enhance airplane detection and tracking in surveillance videos across various airport environments by integrating multiple information cues, such as radar data, textual descriptions, tower communications, and more.

Qualifications:

- Experience in Python
- Interest in Computer Vision and Machine Learning
- Knowledge of deep learning frameworks is advantageous

To be investigated:

- FairMOT: https://github.com/ifzhang/FairMOT
- SAMv2: https://ai.meta.com/sam2
- CLIP: https://openai.com/index/clip
- ADS-B: https://globe.adsbexchange.com

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