## DroneOpticStudio: Filming and Reconstructing Groups of Moving Actors in the Wild



**Multi-actor** localization, tracking and forecasting



## **Goal I:** Real-time multi-target tracking





Multi-target tracking in drone's view



- third-person view.



Cao, Jinkun, et al. "Observation-centric sort: Rethinking sort for robust multi-object tracking." Conference of Computer Vision and Pattern Recognition (2023). Maggiolino, Gerard, et al. "Deep OC-SORT: Multi-Pedestrian Tracking by Adaptive Re-Identification." arXiv preprint arXiv:2302.11813 (2023).

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**Robotics/AI** – massive high-quality data for learning-based models

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