

Oral Presentation

[AIS2]AI and Information Display

Chair: Yuki Ban (The University of Tokyo)

Co-Chair: Kazuyuki Fujita (Tohoku University)

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6:10 PM - 6:25 PM

[AIS2-4L]Outdoor Wild Bird Detection based on YOLO algorithm

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Keywords:Deep Learning, Object detection, Small Object

This study focuses on outdoor bird detection in video surveillance to reduce the risk of avian influenza (AI) in poultry farms. Once a bird is detected, our system will trigger another action to drive away the bird. We utilized YOLO algorithm for object detection, and add diversity samples to the dataset to train the model, then recognition accuracy is improved.