



Recent Advances in Computer Vision Technology and Its Agricultural Application

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submissions:
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Message from the Guest Editors

This research topic relates to several computer vision applications in industrial and agricultural fields, mainly autonomous driving, surface defect detection, object detection and localization, automatic harvesting robotics, plant phenotyping, and crop yield estimation.

Topics of interest include (but are not limited to):

- Computer vision-based autonomous driving algorithms that can robustly detect pedestrians, lane lines, and other targets.
- Generalizable, real-time surface defect detection methods.
- End-to-end, real-time, deep neural networks that can detect and locate objects simultaneously.
- Fruit/vegetable detection and localization for automatic harvesting robots, specifically end-to-end, real-time, and precise deep neural networks that can detect target produce in fields.
- Generalizable methods for segmenting or reconstructing plant parts to support plant phenotyping processes.
- Crop yield estimation.

We look forward to receiving your contributions.





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Message from the Editor-in-Chief

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