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**ISSN**

18650929

**ISBN**

978-303076227-8

**DOI**

10.1007/978-3-030-76228-5\_17

**Publisher**

Springer Science and Business Media Deutschland GmbH

**Original language**

English

**Volume Editors**

Lossio-Ventura J.A., Valverde-Rebaza J.C., Díaz E., Alatrística-Salas H.

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*Communications in Computer and Information Science* • Volume 1410 CCIS, Pages 236 - 249 • 2021 • 7th Annual International Conference on Information Management and Big Data, SIMBig 2020, Virtual, Online, 1 October 2020 - 3 October 2020, 260449

# Semantic Segmentation Using Convolutional Neural Networks for Volume Estimation of Native Potatoes at High Speed

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Abstract

Author keywords

Indexed keywords

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## Abstract

Peru is one of the main producers of a wide variety of native potatoes in the world. Nevertheless, to achieve a competitive export of derived products is necessary to implement automation tasks in the production process. Nowadays, volume measurements of native potatoes are done manually, increasing production costs. To reduce these costs, a deep approach based on convolutional neural networks have been developed, tested, and evaluated, using a portable machine vision system to improve high-speed

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