

OS18 Advanced image processings and applications

OS18-01 Object detection and recognition method of inland ships based on improved YOLOv8

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OS18-02 A 3D surface reconstruction method employing adaptive determination strategy for high reflective surface

Bo Zhang, Shangcheng Qu, Jinhui Li, Zhiyong Deng, Ji Li, Kai Liu and Bin Xu

OS18-03 Research on dynamic correction system for eye's aberrations based on image processing technology

Zhigang Jia, Weijang Yan and Zhongxiang Zhang

OS18-04 Multiple moving object detection for stereo vision on single-board computer

Yoshito Yabuta

Tottori University

OS18-05 YOLOv8 Model-based Welding Defect Detection and its Dimension Measurement

Yindi Cai, Dianpeng Zhang, Yuxuan Wang, Zimeng Sun, Shang Gao, Hang Gao, Zhigang Dong and Renke Kang

OS18-07 Hydroponic Crops Modeling and Growth Prediction

Shingo Aoyagi, Sho Yamauchi and Keiji Suzuki

Future University Hakodate

OS18-08 New vision-based evidence of the nature of vibro-impacts in an impact-damped boring bar

Janhavi Bhoge, Madhav Kumar, Hari Charan, Arjun Patel and Mohit Law

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