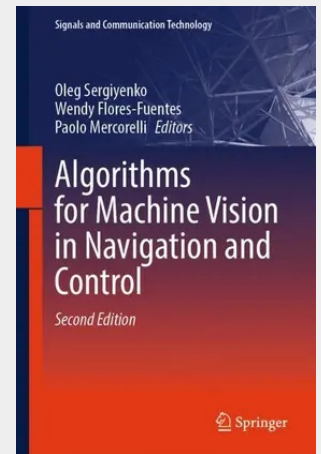


Algorithms for Machine Vision in Navigation and Control

The new edition of this book presents updated perspectives in vision-based applications. These contributions are focused on optoelectronic sensors, 3D and 2D machine vision technologies, robot navigation, control schemes, motion controllers, intelligent algorithms, and vision systems. The authors focus on applications of unmanned aerial vehicles, autonomous and mobile robots, industrial inspection applications and structural health monitoring. Recent advanced research in measurement and other areas where 3D and 2D machine vision and machine control play an important role, as well as surveys and reviews about vision-based applications. These topics are of interest to readers from diverse areas, including electrical, electronics and computer engineering, technologists, students, and non-specialist readers.

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