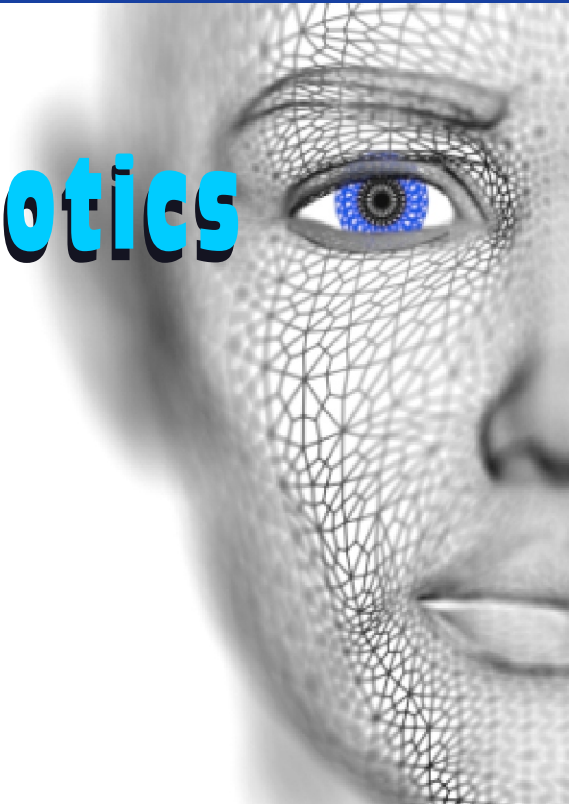


Modern Robotics with OpenCV

Widodo Budiharto



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Preface

Robotics is an interesting topic today. This book is written to provide an introduction to intelligent robotics using OpenCV. This very useful book intended for a first course in robot vision and covers modeling and implementation of intelligent robot. The need for this textbook arose from teaching robotics to student and hobbyist for many years and facing the difficulty to provide excellent book to explain advanced technology in intelligent robotics and kinematics of the robot.

This book differs from other robot vision textbooks:

- Its content is consisting of many implementations of mobile robot and manipulator using OpenCV.
- Using newest technology in Microcontroller such as Propeller Microcontroller for robotics.
- Its content is consisting of introduction and implementation of OpenCV described clearly.

This textbook is the result of many years of work, research, software development, teaching and learning. Many people have influenced its outcome in various ways. First, I must acknowledge my rector at Binus University, Prof. Dr. Harjanto Prabowo for his support, and my supervisors and friends. Some of my undergraduate students have also offered assistance to this book. Finally, a word of recognition goes to parent, my wife, and my children Tasya, Shafira, Aziz and Yusuf.

Jakarta-Indonesia, 2014

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