



Roland SIEGWART
Illah R. NOURBAKHS
Davide SCARAMUZZA

SECOND EDITION

Introduction to

Autonomous Mobile Robots

Introduction to Autonomous Mobile Robots

Intelligent Robotics and Autonomous Agents
Edited by Ronald C. Arkin

A list of the books published in the Intelligent Robotics and Autonomous Agents series can be found at the back of the book.

Introduction to Autonomous Mobile Robots

second edition

Roland Siegwart, Illah R. Nourbakhsh, and Davide Scaramuzza

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To Luzia and my children, Janina, Malin, and Yanik, who give me their support and freedom to grow every day — RS

To my parents, Susi and Yvo, who opened my eyes — RS

To Marti, Mitra, and Nikou, who are my love and my inspiration — IRN

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To my parents, Paola and Ermanno, who encouraged and supported my choices every day and introduced me to robotics at the age of three — DS

To my sisters, Lisa and Silvia, for their love — DS

Slides and exercises that go with this book are available at:

<http://www.mobilerobots.org>

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