Acquiring Editor: Steve Merken Development Editor: Nate McFadden

Project Manager: Punithavathy Govindaradjane

Designer: Vicky Pearson

Morgan Kaufmann is an imprint of Elsevier 225 Wyman Street, Waltham, MA 02451, USA

Copyright © 2016 Elsevier Inc. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or any information storage and retrieval system, without permission in writing from the publisher. Details on how to seek permission, further information about the Publisher's permissions policies and our arrangements with organizations such as the Copyright Clearance Center and the Copyright Licensing Agency, can be found at our website: www.elsevier.com/permissions.

This book and the individual contributions contained in it are protected under copyright by the Publisher (other than as may be noted herein).

Notices

Knowledge and best practice in this field are constantly changing. As new research and experience broaden our understanding, changes in research methods, professional practices, or medical treatment may become necessary.

Practitioners and researchers must always rely on their own experience and knowledge in evaluating and using any information, methods, compounds, or experiments described herein. In using such information or methods they should be mindful of their own safety and the safety of others, including parties for whom they have a professional responsibility.

To the fullest extent of the law, neither the Publisher nor the authors, contributors, or editors, assume any liability for any injury and/or damage to persons or property as a matter of products liability, negligence or otherwise, or from any use or operation of any methods, products, instructions, or ideas contained in the material herein.

All material relating to ARM® technology has been reproduced with permission from ARM Limited, and should only be used for education purposes. All ARM -based models shown or referred to in the text must not be used, reproduced or distributed for commercial purposes, and in no event shall purchasing this textbook be construed as granting you or any third party, expressly or by implication, estoppel or otherwise, a license to use any other ARM technology or know how. Materials provided by ARM are copyright © ARM Limited (or its affiliates).

ISBN: 978-0-12-800056-4

British Library Cataloguing-in-Publication Data

A catalogue record for this book is available from the British Library

Library of Congress Cataloging-in-Publication Data

A catalog record for this book is available from the Library of Congress

For Information on all Morgan Kaufmann publications, visit our website at www.mkp.com

Printed and bound in the United States of America

