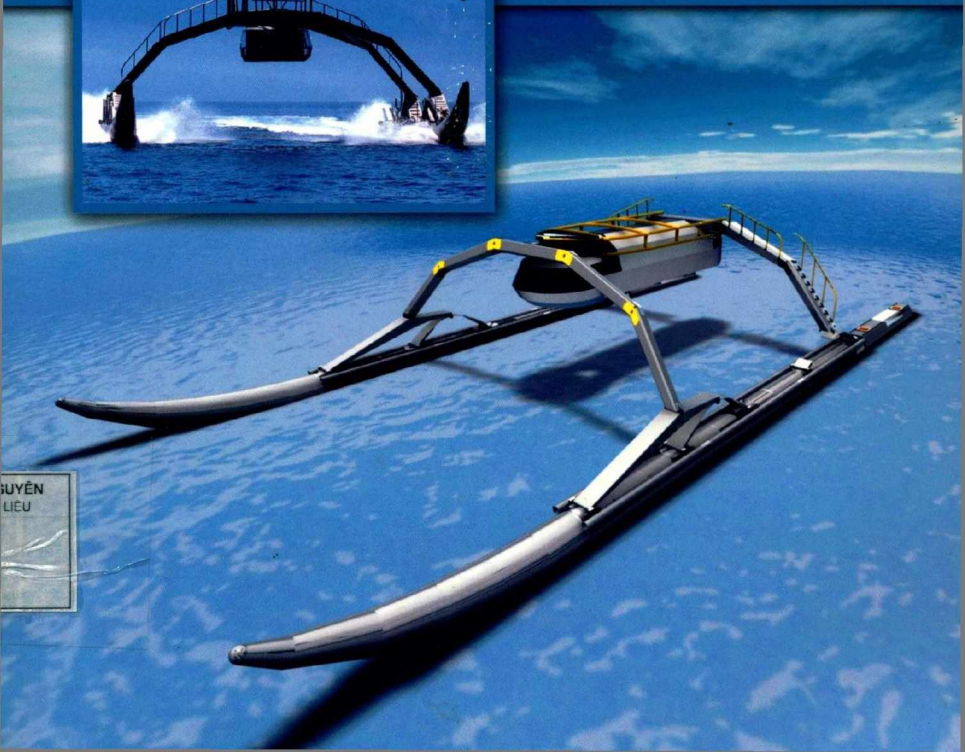
Autodesk® Inventor® 2013

L. Scott Hansen



Autodesk® Inventor® 2013

L. Scott Hansen
Southern Utah University

McGraw Hill
Connect Learn Succeed™

The McGraw-Hill Companies

Connect
Learn
Succeed™

AUTODESK® INVENTOR® 2013

This book is printed on recycled, acid-free paper containing 10% postconsumer waste.

1 2 3 4 5 6 7 8 9 0 QDB/QDB 1 0 9 8 7 6 5 4 3 2

ISBN 978–0–07–3522708
MHID 0–07–3522708

Vice President & Editor-in-Chief: *Marty Lange*
Editorial Director: *Michael Lange*
Global Publisher: *Raghothaman Srinivasan*
Executive Editor: *Bill Stenquist*
Marketing Manager: *Curt Reynolds*
Development Editor: *Lorraine Buczek*
Project Manager: *Melissa M. Leick*
Buyer: *Sandy Ludovissy*
Media Project Manager: *Prashanthi Nadipalli*
Cover Designer: *Studio Montage, St. Louis, Missouri*
Cover Image: *[Inset photo] Mark Gundersen/ Copyright 2006 by Marine Advanced Research, Inc. [main photo] Marine Advanced Research, Inc and Autodesk, Inc.*
Compositor: *Laura Hunter, Visual Q*
Typeface: *10.5 /12.5 Palatino*
Printer: *Quad/Graphics Dubuque*

Library of Congress Cataloging-in-Publication Data

Hansen, L. Scott.
Autodesk Inventor 2013 / L. Scott Hansen. — 1st ed.
p. cm.
ISBN 978–0–07–352270–8 (alk. paper)
1. Autodesk Inventor (Electronic resource) 2. Engineering graphics. 3. Engineering models—Data processing. I. Title.

T353.H2454 2013
620'.0042028553—dc23

2012013855

ABOUT THE AUTHOR

L. Scott Hansen received his A.A.S degree in Electro-Mechanical CAD from Pima Community College in Tucson, Arizona. He received his B.S. and M.S. degrees in Vocational Education from Northern Arizona University and also received a Ph.D. in Applied Science and Technology from the University of Wyoming. He is currently the Department Chair of Engineering Technology and Construction Management and Associate Professor of Engineering Technology at Southern Utah University. He teaches freshman through senior-level courses in the CAD/CAM Engineering Technology program. Hansen's software application experience includes IBM Fastdraft, VersaCAD, AutoCAD, Inventor, SolidWorks, Solid Edge, CATIA V5, and Mastercam. In his spare time, he has performed extensive design and fabrication work to build and modify automobiles, dune buggies, boats and motorcycles along with residential construction projects.

TABLE OF CONTENTS

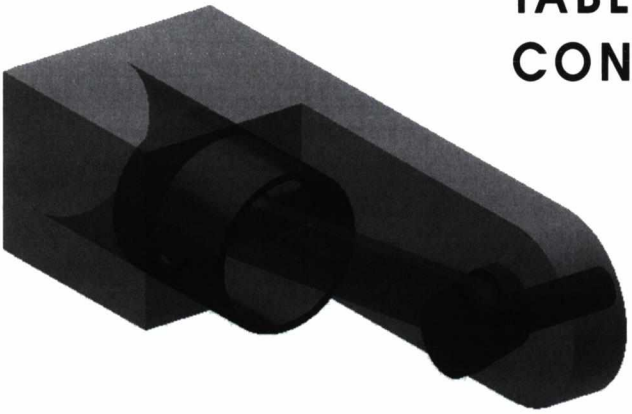


TABLE OF CONTENTS

PREFACE