

The Handbook of Information and Computer Ethics



EDITED BY

KENNETH EINAR HIMMA
HERMAN T. TAVANI

THE HANDBOOK OF INFORMATION AND COMPUTER ETHICS

Edited by

Kenneth Einar Himma and Herman T. Tavani

 **WILEY**

**THE HANDBOOK
OF INFORMATION
AND COMPUTER ETHICS**

THE HANDBOOK OF INFORMATION AND COMPUTER ETHICS

Edited by

Kenneth Einar Himma and Herman T. Tavani

 **WILEY**

Copyright © 2008 by John Wiley & Sons, Inc. All rights reserved

Published by John Wiley & Sons, Inc., Hoboken, New Jersey
Published simultaneously in Canada

No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as permitted under Section 107 or 108 of the 1976 United States Copyright Act, without either the prior written permission of the Publisher, or authorization through payment of the appropriate per-copy fee to the Copyright Clearance Center, Inc., 222 Rosewood Drive, Danvers, MA 01923, 978-750-8400, fax 978-646-8600, or on the web at www.copyright.com. Requests to the Publisher for permission should be addressed to the Permissions Department, John Wiley & Sons, Inc., 111 River Street, Hoboken, NJ 07030, (201) 748-6011, fax (201) 748-6008.

Limit of Liability/Disclaimer of Warranty: While the publisher and author have used their best efforts in preparing this book, they make no representations or warranties with respect to the accuracy or completeness of the contents of this book and specifically disclaim any implied warranties of merchantability or fitness for a particular purpose. No warranty may be created or extended by sales representatives or written sales materials. The advice and strategies contained herein may not be suitable for your situation. You should consult with a professional where appropriate. Neither the publisher nor the author shall be liable for any loss of profit or any other commercial damages, including but not limited to special, incidental, consequential, or other damages.

For general information on our other products and services please contact our Customer Care Department within the U.S. at 877-762-2974, outside the U.S. at 317-572-3993 or fax 317-572-4002.

Wiley also publishes its books in a variety of electronic formats. Some content that appears in print, however may not be available in electronic formats.

Library of Congress Cataloging-in-Publication Data:

The handbook of information and computer ethics / edited by Kenneth Einar Himma and Herman T. Tavani.

p. cm.

Includes index.

ISBN 978-0-471-79959-7 (cloth)

I. Electronic data processing—Moral and ethical aspects. I. Himma, Kenneth Einar.

II. Tavani, Herman T.

QA76.9.M65H36 2008

004.01'9—dc22

2007044568

Printed in the United States of America

10 9 8 7 6 5 4 3 2 1

For my wife, Maria Elias Sotirhos, and my nieces, Angela and Maria Katinas

KEH

In memory of my mother-in-law, Mary Abate

HTT

CONTENTS

Foreword	xi
<i>Deborah G. Johnson</i>	
Preface	xiii
Contributors	xvii
Introduction	xxiii
<i>Kenneth Einar Himma and Herman T. Tavani</i>	
PART I: FOUNDATIONAL ISSUES AND METHODOLOGICAL FRAMEWORKS	1
1. Foundations of Information Ethics	3
<i>Luciano Floridi</i>	
2. Milestones in the History of Information and Computer Ethics	25
<i>Terrell Ward Bynum</i>	
3. Moral Methodology and Information Technology	49
<i>Jeroen van den Hoven</i>	
4. Value Sensitive Design and Information Systems	69
<i>Batya Friedman, Peter H. Kahn Jr., and Alan Borning</i>	
PART II: THEORETICAL ISSUES AFFECTING PROPERTY, PRIVACY, ANONYMITY, AND SECURITY	103
5. Personality-Based, Rule-Utilitarian, and Lockean Justifications of Intellectual Property	105
<i>Adam D. Moore</i>	
6. Informational Privacy: Concepts, Theories, and Controversies	131
<i>Herman T. Tavani</i>	
7. Online Anonymity	165
<i>Kathleen A. Wallace</i>	
	vii