

# Virtual Technologies: Concepts, Methodologies, Tools, and Applications

Jerzy Kisielnicki  
*Warsaw University, Poland*



**INFORMATION SCIENCE REFERENCE**

Hershey • New York

Acquisitions Editor: Kristin Klinger  
Development Editor: Kristin Roth  
Senior Managing Editor: Jennifer Neidig  
Managing Editor: Jamie Snavelly  
Typesetter: Michael Brehm, Jeff Ash, Carole Coulson, Elizabeth Duke, Sara Reed, Sean Woznicki  
Cover Design: Lisa Tosheff  
Printed at: Yurchak Printing Inc.

Published in the United States of America by  
Information Science Reference (an imprint of IGI Global)  
701 E. Chocolate Avenue, Suite 200  
Hershey PA 17033  
Tel: 717-533-8845  
Fax: 717-533-8661  
E-mail: [cust@igi-global.com](mailto:cust@igi-global.com)  
Web site: <http://www.igi-global.com/reference>

and in the United Kingdom by  
Information Science Reference (an imprint of IGI Global)  
3 Henrietta Street  
Covent Garden  
London WC2E 8LU  
Tel: 44 20 7240 0856  
Fax: 44 20 7379 0609  
Web site: <http://www.eurospanbookstore.com>

Copyright © 2008 by IGI Global. All rights reserved. No part of this publication may be reproduced, stored or distributed in any form or by any means, electronic or mechanical, including photocopying, without written permission from the publisher.

Product or company names used in this set are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark.

#### Library of Congress Cataloging-in-Publication Data

Virtual technologies : concepts, methodologies, tools and applications / Jerzy Kisielnicki, editor.  
p. cm.

Summary: "This publication presents encompassing research of the concepts and realities involved in the field of virtual communities and technologies"--Provided by publisher.

Includes bibliographical references and index.

ISBN 978-1-59904-955-7 (hardcover) -- ISBN 978-1-59904-956-4 (ebook)

1. Information technology--Social aspects. 2. Information technology--Technological innovations. 3. Technology--Social aspects. 4. Virtual computer systems. I. Kisielnicki, Jerzy.

HM851.V583 2008

302.23'101--dc22

2008007839

#### British Cataloguing in Publication Data

A Cataloguing in Publication record for this book is available from the British Library.

*If a library purchased a print copy of this publication, please go to <http://www.igi-global.com/agreement> for information on activating the library's complimentary electronic access to this publication.*

8 more pages are available in the full version of this document, which may be purchased using the "Add to Cart" button on the publisher's webpage: [www.igi-global.com/chapter/understanding-effective-collaboration-through-virtual/30993](http://www.igi-global.com/chapter/understanding-effective-collaboration-through-virtual/30993)

## Related Content

---

### Ethical Dilemmas in the Metaverse

Manjit Kourand Kavita Rani (2024). *Exploring the Use of Metaverse in Business and Education* (pp. 35-46). [www.irma-international.org/chapter/ethical-dilemmas-in-the-metaverse/343973](http://www.irma-international.org/chapter/ethical-dilemmas-in-the-metaverse/343973)

### Environments for VE Integration

Maria Manuela Cunhaand Goran D. Putnik (2008). *Encyclopedia of Networked and Virtual Organizations* (pp. 499-507). [www.irma-international.org/chapter/environments-integration/17652](http://www.irma-international.org/chapter/environments-integration/17652)

### Augmented Reality in the Context of Automotive Manufacturing

Gisela Pires Garcia (2020). *Managerial Challenges and Social Impacts of Virtual and Augmented Reality* (pp. 95-110). [www.irma-international.org/chapter/augmented-reality-in-the-context-of-automotive-manufacturing/248298](http://www.irma-international.org/chapter/augmented-reality-in-the-context-of-automotive-manufacturing/248298)

### Exploring Virtual Reality for the Assessment and Rehabilitation of Executive Functions

Elisa Pedroli, Silvia Serino, Federica Pallavicini, Pietro Cipressoand Giuseppe Riva (2018). *International Journal of Virtual and Augmented Reality* (pp. 32-47). [www.irma-international.org/article/exploring-virtual-reality-for-the-assessment-and-rehabilitation-of-executive-functions/203066](http://www.irma-international.org/article/exploring-virtual-reality-for-the-assessment-and-rehabilitation-of-executive-functions/203066)

### An Augmented-Reality-Based Intelligent Mobile Application for Open Computer Education

Utku Köse (2018). *Virtual and Augmented Reality: Concepts, Methodologies, Tools, and Applications* (pp. 324-344). [www.irma-international.org/chapter/an-augmented-reality-based-intelligent-mobile-application-for-open-computer-education/199693](http://www.irma-international.org/chapter/an-augmented-reality-based-intelligent-mobile-application-for-open-computer-education/199693)