

# Global Information Technologies: Concepts, Methodologies, Tools, and Applications

Felix B. Tan

*Auckland University of Technology, New Zealand*



**INFORMATION SCIENCE REFERENCE**

Hershey • New York

Assistant Executive Editor: Meg Stocking  
Acquisitions Editor: Kristin Klinger  
Development Editor: Kristin Roth  
Senior Managing Editor: Jennifer Neidig  
Managing Editor: Sara Reed  
Typesetter: Sara Reed, Larissa Vinci, and Cindy Consonery  
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.eurospanonline.com>

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

Global information technologies : concepts, methodologies, tools and applications / Felix Tan, editor.  
v. cm.

Summary: "This collection compiles research in all areas of the global information domain. It examines culture in information systems, IT in developing countries, global e-business, and the worldwide information society, providing critical knowledge to fuel the future work of researchers, academicians and practitioners in fields such as information science, political science, international relations, sociology, and many more"--Provided by publisher.

Includes bibliographical references and index.

ISBN 978-1-59904-939-7 (hbk.) -- ISBN 978-1-59904-940-3 (ebook)

1. Information technology. 2. Management information systems. 3. Information society. I. Tan, Felix B., 1959-  
T58.5.G548 2008  
303.48'33--dc22

2007039589

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.

#### British Cataloguing in Publication Data

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

14 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/gigabit-ethernet-implementation/19114](http://www.igi-global.com/chapter/gigabit-ethernet-implementation/19114)

## Related Content

---

### Knowledge Assets in the Global Economy: Assessment of National Intellectual Capital

Yogesh Malhotra (2002). *Advanced Topics in Global Information Management, Volume 1* (pp. 329-345).  
[www.irma-international.org/chapter/knowledge-assets-global-economy/4505](http://www.irma-international.org/chapter/knowledge-assets-global-economy/4505)

### Comparative Reviews vs. Regular Consumer Reviews: Effects of Presentation Format and Review Valence

(2021). *Journal of Global Information Management* (pp. 0-0).  
[www.irma-international.org/article//272233](http://www.irma-international.org/article//272233)

### Globalisation and New Technology: The Challenge for Teachers to Become “Translators” and Children, Knowledge Seekers

André H. Caron (2009). *Selected Readings on Global Information Technology: Contemporary Applications* (pp. 182-193).  
[www.irma-international.org/chapter/globalisation-new-technology/28613](http://www.irma-international.org/chapter/globalisation-new-technology/28613)

### What are the Keys to a Successful Mobile Payment System? Case of Cytizi: Mobile Payment System

Mario Silicand Andrea Back (2016). *Journal of Global Information Management* (pp. 1-20).  
[www.irma-international.org/article/what-are-the-keys-to-a-successful-mobile-payment-system-case-of-cytizi/163451](http://www.irma-international.org/article/what-are-the-keys-to-a-successful-mobile-payment-system-case-of-cytizi/163451)

### IS-Supported Managerial Control for China's Research Community: An Agency Theory Perspective

Wen Tian, Douglas R. Vogel, Jian Maand Jibao Gu (2012). *International Comparisons of Information Communication Technologies: Advancing Applications* (pp. 264-292).  
[www.irma-international.org/chapter/supported-managerial-control-china-research/61772](http://www.irma-international.org/chapter/supported-managerial-control-china-research/61772)