# Designing Software-Intensive Systems: Methods and Principles

Pierre F. Tiako Langston University, USA



**INFORMATION SCIENCE REFERENCE** 

Hershey • New York

Acquisitions Editor:	Kristin Klinger
Development Editor:	Kristin Roth
Senior Managing Editor:	Jennifer Neidig
Managing Editor:	Jamie Snavely
Assistant Managing Editor:	Carole Coulson
Copy Editor:	Lanette Ehrhardt
Typesetter:	Michael Brehm
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: 717-533-88661 E-mail: cust@igi-global.com Web site: http://www.igi-global.com

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 © 2009 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

Designing software-intensive systems : methods and principles / Pierre F. Tiako, editor.

p. cm.

Summary: "This book addresses the complex issues associated with software engineering environment capabilities for designing real-time embedded software systems"--Provided by publisher.

Includes bibliographical references and index.

ISBN 978-1-59904-699-0 (hardcover) -- ISBN 978-1-59904-701-0 (ebook)

1. Software engineering. 2. Computer systems. 3. Systems engineering--Data processing. I. Tiako, Pierre F.

QA76.758.D476 2008 005.1--dc22

2008008468

British Cataloguing in Publication Data

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

All work contributed to this book set is original material. The views expressed in this book are those of the authors, but not necessarily of the publisher.

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.

21 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/service-orientation-software-intensive-systems/8233

# **Related Content**

### Change Management in Shared Software Specifications

Fathi Taibi (2013). *Designing, Engineering, and Analyzing Reliable and Efficient Software (pp. 1-21).* www.irma-international.org/chapter/change-management-shared-software-specifications/74871

### Implementation Strategies for High-Performance Multiuser MIMO Precoders

Maitane Barrenechea, Mikel Mendicute, Andreas Burgand John S. Thompson (2014). *Advancing Embedded Systems and Real-Time Communications with Emerging Technologies (pp. 135-161).* www.irma-international.org/chapter/implementation-strategies-for-high-performance-multiuser-mimo-precoders/108441

#### TCP/IP Protocol-Based Model for Increasing the Efficiency of Data Transfer in Computer Networks

S.N. John, A.A. Anoprienkoand C.U. Ndujiuba (2013). *Integrated Models for Information Communication Systems and Networks: Design and Development (pp. 116-134).* 

www.irma-international.org/chapter/tcpip-protocol-based-model-for-increasing-the-efficiency-of-data-transfer-in-computernetworks/79661

#### Web-Based Systems Development: An Empirically-Grounded Conceptual Framework

Michael Lang (2009). Systems Analysis and Design for Advanced Modeling Methods: Best Practices (pp. 161-179).

www.irma-international.org/chapter/web-based-systems-development/30022

## Design Churn as Predictor of Vulnerabilities?

Aram Hovsepyan, Riccardo Scandariato, Maximilian Steffand Wouter Joosen (2014). *International Journal of Secure Software Engineering (pp. 16-31).* 

www.irma-international.org/article/design-churn-as-predictor-of-vulnerabilities/118146