Quality of Service Architectures for Wireless Networks:
Performance Metrics and Management

Sasan Adibi
University of Waterloo, Canada

Raj Jain
Washington University in St. Louis, USA

Shyam Parekh
Alcatel-Lucent, USA

Mostafa Tofighbakhsh
AT&T, USA

Information Science REFERENCE

INFORMATION SCIENCE REFERENCE

Hershey · New York

Director of Editorial Content: Kristin Klinger
Director of Book Publications: Julia Mosemann
Acquisitions Editor: Dave DeRicco
Development Editor: Christine Bufton
Publishing Assistant: Kurt Smith
Typesetter: Carole Coulson
Quality control: Jamie Snavely
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
Hershey PA 17033
Tel: 717-533-8845
Fax: 717-533-8661
E-mail: cust@igi-global.com
Web site: http://www.igi-global.com/reference

Library of Congress Cataloging-in-Publication Data

Quality of service architectures for wireless networks : performance metrics and management / Sasan Adibi ... [et al.], editors.
p. cm.
Includes bibliographical references and index.
Summary: "This book further explores various issues and proposed solutions for the provision of Quality of Service (QoS) on the wireless networks"-- Provided by publisher.
ISBN 978-1-61520-680-3 (hardcover) -- ISBN 978-1-61520-681-0 (ebook) 1. Wireless LANs--Quality control. 2. Network performance (Telecommunication) 3. Wireless Internet. I. Adibi, Sasan, 1970-
TK5105.78.Q36 2010
004.6'5--dc22
2009040024

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

List of Reviewers

Abdel Karim Al-Tamimi, *Washington University in Saint Louis, USA*
Cagatay Buyukkoc, *AT&T Labs, USA*
Mustafa Ergen, *WiChorus, USA*
Nada Golmie, *National Institute of Standards and Technology, USA*
Ehsan Haghani, *New Jersey Institute of Technology, USA*
Libin Jiang, *University of California, Berkeley, USA*
Jiwoong Lee, *University of California, Berkeley, USA*
Jeonghoon Mo, *Yonsei University, Korea*
Subhas Chandra Mondal,*Wipro Technologies, India*
Nikhil Shetty, *University of California, Berkeley, USA*
Biplab Sikdar, *Rensselaer Polytechnic Institute, USA*
Chakchai So-In, *Washington University in St. Louis, USA*

Table of Contents

Section 2
Resource Management

Section 3
Mobility

Section 6
Future