Table of Contents

Foreword ................................................................. ix
    Carl J. Schramm and William J. Baumol

Preface ................................................................. xiii

Contributors ............................................................ xv

Introduction: Why a Handbook? ........................................ 1
    Paul P. Maglio, Cheryl A. Kieliszewski, and James C. Spohrer

Part 1: Context: Origins

Revisiting “Where Does the Customer Fit in a Service Operation?”
    Background and Future Development of Contact Theory .......... 11
        Richard B. Chase

The Service Profit Chain: From Satisfaction to Ownership .......... 19
        James L. Heskett and W. Earl Sasser, Jr.

Winning the Service Game: Revisiting the Rules by Which People
    Co-Create Value .................................................. 31
        Benjamin Schneider and David E. Bowen

Customer Equity: Driving the Value of the Firm by Increasing the
    Value of Customers ................................................. 61
        Roland T. Rust and Gaurav Bhalla

Service Worlds: The ‘Services Duality’ and the Rise of the
    ‘Manuservice’ Economy ............................................. 79
        John R. Bryson and Peter W. Daniels
Part 2: Context: Theory

The Unified Service Theory: A Paradigm for Service Science .......... 107
Scott E. Sampson

Advancing Service Science with Service-Dominant Logic:
Clarifications and Conceptual Development ......................... 133
Stephen L. Vargo, Robert F. Lusch, and Melissa A. Akaka

Toward a Science of Service Systems: Value and Symbols .......... 157
James C. Spohrer and Paul P. Maglio

Part 3: Research and Practice: Design

Technology’s Impact on the Gaps Model of Service Quality .......... 197
Mary Jo Bitner, Valarie A. Zeithaml, and Dwayne D. Gremler

Seven Contexts for Service System Design .......................... 219
Robert J. Glushko

Business Architectures for the Design of Enterprise Service Systems ...... 251
Susanne Glissmann and Jorge Sanz

A Service Practice Approach: People, Activities and Information
in Highly Collaborative Knowledge-based Service Systems .......... 283
Cheryl A. Kieliszewski, John H. Bailey, and Jeanette Blomberg

Part 4: Research and Practice: Operations

The Neglect of Service Science in the Operations Management Field .... 309
Richard Metters

Death Spirals and Virtuous Cycles: Human Resource Dynamics in
Knowledge-Based Services ............................................. 321
Rogelio Oliva and John D. Sterman
Table of Contents

Service Science: A Reflection from Telecommunications Service Perspective ................................................................. 359
Eng K. Chew

Service Engineering: Multiperspective and Interdisciplinary Framework for New Solution Design ........................................ 387
Gerhard Gudergan

Part 5: Research and Practice: Delivery

The Industrialization of Information Intensive Services ......................... 419
Uday S. Karmarkar

Workforce Analytics for the Services Economy ................................... 437
Aleksandra Mojsilović and Daniel Connors

Understanding Complex Product and Service Delivery Systems ............. 461
William B. Rouse and Rahul C. Basole

A Formal Model of Service Delivery .................................................. 481
Guruduth Banavar, Alan Hartman, Lakshmish Ramaswamy, and Anatoly Zherebtsov

Part 6: Research and Practice: Innovation

Service Innovation .............................................................................. 511
Ian Miles

Innovation in Services and Entrepreneurship: Beyond Industrialist and Technologist Concepts of Sustainable Development ............ 535
Faridah Djellal and Faïz Gallouj

Service Innovation and Customer Co-development .............................. 561
Bo Edvardsson, Anders Gustafsson, Per Kristensson and Lars Witell

Advancing Services Innovation: Five Key Concepts ........................... 579
Henry Chesbrough and Andrew Davies
Table of Contents

What Effects Do Legal Rules Have on Service Innovation? .......... 603
Pamela Samuelson

Part 7: Future

The Future of Service Is Long Overdue ........................................... 625
Evert Gummesson

The Evolution and Future of Service: Building and Broadening a Multidisciplinary Field ............................................ 643
Raymond P. Fisk and Stephen J. Grove

Trading Zones, Normative Scenarios, and Service Science ............. 665
Michael E. Gorman

The Cambridge-IBM SSME White Paper Revisited ......................... 677
James C. Spohrer, Mike Gregory, and Guangjie Ren

Service Science, Management, and Engineering in Japan ............... 707
Kazuyoshi Hidaka

Innovation and Skills: Future Service Science Education ............... 717
Linda Macaulay, Claire Moxham, Barbara Jones, and Ian Miles

Author Index .................................................................................. 737

Subject Index ................................................................................. 755