

Contents

Preface	ix
<i>Irving Wladawsky-Berger</i>	
Executive Summary	xiii
<i>Jim Spohrer and Paul Maglio</i>	
Conference Summary: A View from Palisades	xvii
<i>Wendy Murphy, Cheryl A. Kieliszewski, Paul Maglio, Bill Hefley, Nirmal Pal, and Ioannis Viniotis</i>	
 SSME DISCIPLINE	
Legitimizing SSME in Academia: Critical Considerations and Essential Actions	3
<i>Jane Siegel, Bill Hefley, Shelley Evenson, and Sandra Slaughter</i>	
Holistic Trinity of Services Sciences: Management, Social, and Engineering Sciences	11
<i>Richard C. Larson</i>	
SSME, Operations Research and Education	19
<i>Giovanni Righini</i>	
A Designer's View of SSME	25
<i>Shelley Evenson</i>	
SSME—Let's Not Forget About Customers and Revenue	31
<i>Roland T. Rust</i>	
Psychology of the Experience: The Missing Link in Service Science	35
<i>Richard B. Chase and Sriram Dasu</i>	
Challenges of Industrial Service Business Development	41
<i>Vesa Salminen and Petri Kalliokoski</i>	
A Research Based Educational Initiative: The Institute for International Services Innovation at Trinity College Dublin	49
<i>John Murray</i>	
Defining the Research Agenda: Technology Management as a Contributor to Service Sciences, Management and Engineering	55
<i>Dundar F. Kocaoglu, Tugrul U. Daim, and Antonie J. Jetter</i>	
Actionable Process Theories: A Unique Selling Proposition for a Science of Services	61
<i>Nick V. Flor</i>	
Quality System Management and Education in Service Environments	69
<i>Richard R. Perdue and Steven D. Sheetz</i>	
Art of Service: Drawing the arts to inform service design and specification	75
<i>Birgit Mager and Shelley Evenson</i>	
Service Science, Management and Engineering: A Way of Managing Sociotechnical Systems	77
<i>Michael E. Gorman</i>	

A Service Logic for Service Science <i>Stephen L. Vargo and Robert F. Lusch</i>	83
The Service-Dominant Mindset <i>Robert F. Lusch and Stephen L. Vargo</i>	89
An Integrated Approach to Service Innovation <i>Greg Oxtan</i>	97

SSME EDUCATION

Moving the Service Science Concept to Curricular Reality <i>Eleanor L. Babco, Carol B. Lynch, Patricia McAllister</i>	109
Defining a Curriculum for Service Systems Engineering <i>Sheryl A. Sorby, Leonard J. Bohmann, Tom Drummer, Jim Friendewey, Dana Johnson, Kris Mattila, John Sutherland, & Robert Warrington</i>	115
Educating the Service Manager in Europe – Assessing Gaps and Opportunities <i>Paolo Pasini</i>	123
Service Science, Management and Engineering Curricula and Research at NC State University <i>Steven Allen, Harry Perros, Ioannis Viniotis, Michael Devetsikiotis, Andrew Rindos, Craig Nygard, Lynda Aiman-Smith, John McCreery, and Mitzi Montoya-Weiss</i>	129
Bringing Service Sciences into the Curriculum <i>Roberta S. Russell and Christopher W. Zobel</i>	137
Strategy for Inserting SSME into the Undergraduate Experience at a Minority Serving Institution <i>Edward L. Jones, Clement S. Allen, and Jakita N. Owensby</i>	141
Putting Requirements and Quality at the Core of Global Service Delivery: Current Efforts and Future Plans at Pace University <i>Olly Gotel and Christelle Scharff</i>	147
Rochester Institute of Technology – Service Management <i>James W. Jacobs, Jr. and Guy Johnson</i>	153
Getting Students Excited About Services: Providing a Context for Applying Their Newly Acquired Knowledge <i>Majid Iqbal</i>	157
Educating Services Science Leaders to Think Holistically About Enterprises <i>Donna H. Rhodes and Deborah J. Nightingale</i>	163
Services Research Collaborations: Beyond the Ivory Tower <i>Neeli Bendapudi and Mindy Stobart</i>	169
Progress Report of Efforts Towards a Research and Education Agenda for Services Science in the EU and Greece <i>Christos Nikolaou</i>	175

A Master Program in Services Engineering and Management at the University of Porto <i>J. Falcão e Cunha, Lia Patrício, Ana Camanho, and Raymond Fisk</i>	181
Engineering of Digital Services – A New Degree that Integrates Business Process and Information Engineering <i>Gianmario Motta</i>	191
SSME at Manchester: Bringing People, Business and Technology Together <i>Liping Zhao and Linda Macaulay</i>	199
A Research & Educational Framework for ICT/S Service Management <i>Guido Dedene, Monique Snoeck, and Rik Maes</i>	207
Education and Research of Service Science and Technology in Tsinghua University <i>Jie Zhou, Qiaoge Liu, and Yanda Li</i>	213
The Current State and Development Plan of Research and Education on SSME in Harbin Institute of Technology <i>Xiao-Fei Xu, Zhong-Jie Wang, and Tong Mo</i>	219
 SSME RESEARCH	
Services Science Journey: Foundations, Progress, and Challenges <i>Mary Jo Bitner, Stephen W. Brown, Michael Goul, and Susan Urban</i>	227
Service Supply Chain in the Department of Defense: Opportunities and Challenges <i>Uday Apte, Geraldo Ferrer, Ira Lewis, and Rene Rendon</i>	235
The Global Information Economy, Service Industrialization and the UCLA BIT Project <i>Uday S. Karmarkar</i>	243
Data Support Design for Services Science Modeling <i>Terry P. Harrison and Seán McGarraghy</i>	251
Process and Services Fusion Impact Assessment: SSME Findings from Industry Collaboration and the Need for Competency Centers <i>Haluk Demirkan and Michael Goul</i>	257
iLab.1: A University-Industry Collaboration to Enhance Health Plan Services <i>Jeffrey A. Lasky and Michael Cardillo</i>	263
SSME: How to Solve It <i>Shiu-Kai Chin, James S. Royer, and Alex Wilkinson</i>	269
Models, Contexts, and Value Chains for Services Sciences <i>William B. Rouse</i>	279
Complexity and the Services Science Agenda <i>Yasmin Merali</i>	285

Service Science, Management, Engineering and eOrganisations <i>Christof Weinhardt, Rudi Studer, Carsten Holtmann, Björn Schnizler, Anupriya Ankolekar, and Nenad Stojanovic</i>	295
Towards Customer Centric Physical and Virtual Environment – Platform for Services <i>Suvi Nenonen and Jukka Puhto</i>	303
Constructing Service Machines – Global Sourcing of Knowledge-Intensive Services <i>Paul Lilrank and Olli Tolkki</i>	309
Service Engineering of Call Centers: Research, Teaching, and Practice <i>Avishai Mandelbaum and Sergey Zeltn</i>	317
Innovation in Services: From Service Concepts to Service Experiences <i>Brian Fynes and Ann Marie Lally</i>	329
Service Beyond – Enabling Technologies to Boost Service Business <i>Pentti Vähä, Anne Tolman, Paula Savioja, Piritta Lampila, and Sonja Kangas</i>	335
Bringing Service Design to Service Sciences, Management and Engineering <i>Stefan Holmlid and Shelley Evenson</i>	341
Research and Education of SSME in Japanese Universities <i>Hideaki Takagi</i>	347
Service Science – A Japanese Perspective: Pitfalls and Opportunities <i>Toshiaki Kurokawa</i>	355
Services Science Empowers Next Generation MOT - Just-in-Time Innovation Management by Service Layer Integrated Strategic Roadmapping <i>Akio Kameoka</i>	363
Research & Education in Service Economics & Management at China Center for Service Sector Research (CCSSR) <i>Jiangfan Li</i>	365
CONCLUSION	
Entrepreneuership <i>Carl Schramm</i>	373
Author Index	383