

Litteraturliste – Kapittel 11–13

- Accenture (2005): *China and India: Partners in Competition*. Report.
- Accenture (2010): *From global connection to global orchestration*. Report.
- Adner, R. (2002): When are technologies disruptive? A demand-based view of the emergence of competition. *Strategic Management Journal*, 23(8): 667–688.
- Afuah, A. og C.L. Tucci (2003): A model of the internet as creative destroyer. *IEEE Transactions on Engineering Management*, 50(4): 395–402.
- Allmendinger, G. og R. Lombreglia (2005): Four strategies for the age of smart services. *Harvard Business Review*, 83(10): 131–145.
- Anderson, C. (2012): *Makers. The New Industrial Revolution*. New York: Crown Business.
- Anderson, J.C. og J.A. Narus (1995): Capturing the Value of Supplementary Services. *Harvard Business Review*, 73(1): 75–83.
- Andersson, Å. (1985): Creativity and regional development. *Papers in Regional Science*, 56(1): 5–20.
- Andreoni, A. og C.L. Gomez (2012): *Can we live on services? Exploring manufacturing-services interfaces and their implications for industrial policy design*. Paper to presented at the DRUID Academy 2012. January 19–21. The Moeller Centre. University of Cambridge.
- Ansoff, H.I. (1965): *Corporate strategy: An analytical approach to business policy for growth and expansion*. New York: McGraw-Hill.
- Aschhoff, B., D. Crass, K. Cremers, C. Grimpe, C. Rammer, F. Brandes, F. Diaz-Lopez, R.K. Woolthuis, M. Mayer og C. Montalvo (2010): *European Competitiveness in Key Enabling Technologies*. Centre for European Economic Research.
- Audretsch, D.B. og M.P. Feldman (1996): R&D spillovers and the geography of innovation and production. *The American Economic Review*, 86(3): 630–640.
- Audretsch, D.B. (1998): Agglomeration and the location of innovative activity. *Oxford Review of Economic Policy*, 14(2): 18–29.
- Auramo, J. og T. Ala-Risku (2005): Challenges for going downstream. *International Journal of Logistics*, 8(4): 333–45.
- Aurich, J.C., C.E. Mannweiler og C.E. Schweitzer (2010): How to design and offer services successfully. *CIRP Journal of Manufacturing Science and Technology*, 2(3): 136–143.
- Baines, T., H. Lightfoot, S. Evans, A. Neely, R. Greenough, J. Peppard, R. Roy, E. Shehab, A. Braganza, A. Tiwari, J. Alcock, J. Angus, M. Basti, A. Cousens, P. Irving, M. Johnson, J. Kingston, H. Lockett, V. Martinez, P. Michele, D. Tranfield, J. Walton og H. Wilson (2007): State of the art in product-service systems. *Journal of Engineering Manufacture*. Part B. s. 1543–51.
- Baines, T., H. Lightfoot, J. Peppard, M. Johnson, A. Tiwari, E. Shehab og M. Swink (2009): Towards an operations strategy for product-centric servitisation. *International Journal of Operations & Production Management*, 29(5): 494–519.

- Baines, T., H. Lightfoot, O. Benedettini og J. Kay (2009a): The Servitization of Manufacturing: A Review of Literature and Reflection of Future Challenges. *Journal of Manufacturing Technology Management*, 20(5): 547–567.
- Baldwin, R. og S. Evenett (2012): *Value creation and trade in the 21st century manufacturing: What policies for UK manufacturing?* Note to the BIS-sponsored project: – How can the UK focus on steps in the value chain that really create value?
- Baldwin, R. (2006): Globalisation: the great unbundling(s). Chapter 1 in: *Globalisation: challenges for Europe*. Secretariat of the Economic Council, Finnish Prime Minister's Office, Helsinki, s. 5–47.
- Baldwin, R. (2011): Trade and industrialisation after globalisation's 2nd unbundling: How building and joining a supply chain are different and why it matters. *NBER Working Paper* No. 17716. December.
- Bartlett, C. og S. Ghoshal (1989): *Managing Across Borders: The Transnational Solution*. Boston, MA: Harvard Business School Press.
- Bartlett, C. og S. Ghoshal (1991): Global strategic management: Impact on the new frontier of strategy research. *Strategic Management Journal*, 12: 5–16.
- Baveja, S.S., J. Gilbert og D. Ledingham (2004): From Products to Services: Why It's Not So Simple. *Harvard Management Update*, 9(4): 3–6.
- Benner, M. og M.I. Tushman. (2003): Exploitation, exploration, and process management: the productivity dilemma revisited. *Academy of Management Review*, 28(2): 238–256.
- Berman, S.J. og J. Hagan (2006): How technology-driven business strategy can spur innovation and growth. *STRATEGY & LEADERSHIP*, 34(2): 28–34.
- Bettencourt, L.M.A., J. Lobo, D. Strumsky og G.B. West (2010): Urban Scaling and Its Deviations: Revealing the Structure of Wealth, Innovation and Crime across Cities. *PLoS ONE* 5(11): <http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0013541>
- Bharadwaj, S.G., P.R. Varadarajan og J. Fahy (1993): Sustainable competitive advantage in service industries: a conceptual model and research propositions. *Journal of Marketing*, 57(4): 83–99.
- Bisson, P.E. Stephenson og S.P. Viguerie (2010): The global grid. *McKinsey Quarterly*, June.
- Bitner M.J., R.P. Fisk og S.W. Brown (1993): Tracking the Evolution of the Services Marketing Literature. *Journal of Retailing*, 69(1): 61–103.
- Blomgren, M. (2009): Service räddar verkstad. *Dagens Industri*, 7th February. s. 27.
- BMBF (2002): *Förderkonzept Nanoelektronik*, Federal Ministry of Education and Research, Bonn: Federal Ministry of Education and Research.
- BMBF (2008): *Weisse Biotechnologie – Chancen für neue Produkte und umweltschonende Prozesse*. Bonn/Berlin: BMBF.
- Bowen, J. (1990): Development of a Taxonomy of Services to Gain Strategic Marketing Insights. *Journal of the Academy of Marketing Science*, 18(1): 43–49.
- Bower, J.L. og C.M. Christensen (1995): Disruptive technologies: Catching the wave. *Harvard Business Review*, 73(1): 43–53.
- Brax, S. og K. Jonsson (2009): Developing integrated solution offerings for remote diagnostics: A comparative case study of two manufacturers. *International Journal of Operations & Production Management*, 29(5): 539–560.
- Brax, S. (2005): A Manufacturer Becoming Service Provider – Challenges and a Paradox. *Managing Service Quality*, 15(2): 142–155.
- Brege, S., D. Kindström og P.-O. Brehmer (2009): De nya affärsrelationerna - från produkt till funktion. I: L.G. Mattsson (red.) (2009): *Marknadsföring: Myter och Möjligheter*. Stockholm: MTC. s. 95–112.
- Breunig, K.J., R. Kvålsøhaugen og K.M. Hylde (2007): *Beyond Boundaries: Towards resolving the international strategy dilemma by identifying an international service typology?* 23rd EGOS Colloquium. Vienna. Austria.

- Brezsík, E., P.M. Krugman og D. Tsiddon (1993): Leapfrogging in International Competition: A Theory of Cycles in National Technological Lead. *The American Economic Review*, 83(12): 11–19.
- Bullinger, H.-J. (Editor) (2009): *Technology Guide: Principles – Applications – Trends*. Springer-Verlag: Berlin Heidelberg.
- Carman J.M. og E. Langeard (1980): Growth Strategies of Service Firms. *Strategic Management Journal*, 1: 7–22.
- Cavusgil, S.T. og G. Knight (2009): *Born Global Firms: A New International Enterprise*. New York: Business Expert Press.
- Chandler, A.D. (1962): *Strategy and Structure: Chapters in the History of Industrial Enterprise*, MIT Press: Cambridge, Mass.
- Chia, R.C.H. og R.R. Holt (2011): *Strategy without design – The silent efficacy of indirect action*. Cambridge: Cambridge University Press.
- Christensen, C.M. og R.S. Rosenbloom (1995): Explaining the attacker's advantage: technological paradigms, organizational dynamics, and the value network. *Research Policy*, 24(2): 233–257.
- Christensen, C.M. (1997): *The innovator's dilemma: when new technologies cause great firms to fail*. Boston: Harvard Business School Press.
- CIM Briefing (2009): No 1, *Centre for International Manufacturing, Institute for Manufacturing*. University of Cambridge.
- Cornet, E., R. Katz, R. Molloy, J. Schädler, D. Sharma og A. Tipping (2000): *Customer Solutions: From Pilots to Profits*. New York: Booz Allen & Hamilton.
- Corsaro, D., C. Ramos, S.C. Henneberg og P. Naudé (2012): The impact of network configurations on value constellations in business markets: the case of an innovation network. *Industrial Marketing Management*, 41(1): 54–67.
- Cova, B. og R. Salle (2008): Marketing solutions in accordance with the S-D logic: co-creating value customer network actors. *Industrial Marketing Management*, 37(3): 270–277.
- Coyne, K. (1989): Beyond service fads – meaningful strategies for the real world. *Sloan Management Review*, 30(4): 69–76.
- Danneels, E. (2004): Disruptive technology reconsidered: A critique and research agenda. *Journal of Product Innovation Management*, 21(4): 246–258.
- Davies, A. og M. Hobday (red.) (2005): *The Business of Projects: Managing Innovation in Complex Products and Systems*. Cambridge: Cambridge University Press.
- Davies, A. (2004): Moving base into high-value integrated solutions: a value stream approach. *Industrial and Corporate Change*, 13(5): 27–56.
- Davies, A., T. Brady og M. Hobday (2006): Charting a path towards integrated solutions. *Sloan Management Review*. Spring. 38–49.
- Davies, A.C. (2003a): Integrated Solutions: The Changing Business of Systems Integration. I: A. Prencipe, A. Davies og M. Hobday (Eds.) (2003): *The Business of Systems Integration*. Oxford, UK: Oxford University Press.
- Davies, A.C. (2003b): Are firms moving «downstream» into high-value services? I: J. Tidd og F.M. Hull (Eds.) (2003): *Service Innovation – Organizational Responses to Technological Opportunities & Market Imperatives*. London: Imperial College Press. s. 321–342.
- Delgado, M., M.E. Porter og S. Stern (2012): *Clusters, convergence and economic performance*. NBER Working Paper. No. 18250. July.
- Donnelly J.H. Jr (1976): Marketing Intermediaries in Channels of Distribution for Services. *Journal of Marketing*, 40: 55–70.
- Dosi, G. (1982): Technological paradigms and technological trajectories: A suggested interpretation of the determinants and directions of technical change. *Research Policy*, 11(3): 147–162.
- Erlhoff, M., B. Mager og E. Manzini (1997): *Dienstleistung braucht Design*. Neuwied: Luchterhand.
- European Commission (2009) Preparing For Our Future: Developing A Common Strategy For Key Enabling Technologies In The Eu. Communication From The Commission To The European

- Parliament, The Council, The European Economic And Social Committee And The Committee Of The Regions, Brussels, 30 September.
- European Commission (2011) *Key Enabling Technologies*. Final Report, June: http://ec.europa.eu/enterprise/sectors/ict/files/kets/hlg_report_final_en.pdf
- Fang, E., R.W. Palmatier og J.-B.E.M. Steenkamp (2008): Effect of Service Transition Strategies on Firm Value. *Journal of Marketing*, 72(4): 1–14.
- Fang,T.; C. Gunterberg og E. Larsson (2010): Sourcing in an Increasingly Expensive China: Four Swedish Cases. *Journal of Business Ethics*, 97(1): 119–138.
- Fischer-Kowalski, M., W. Haas, D. Wiedenhofer, U. Weisz, I. Pallua, N. Possanner, A. Behrens, G. Serio, M. Alessi og E. Weis (2012): *Socio-Ecological Transitions: Definition, Dynamics And Related Global Scenarios*. Working paper D 1.2, Institute for Social Ecology, AAU, Austria/Centre for European Policy Studies, Belgium Available from the NEUJOBS website: <http://www.neujobs.eu>
- Florida, R.L. (2002): *The rise of the creative class: and how it's transforming work, leisure, community and everyday life*. New York: Basic Books.
- Foote, N.W., J. Galbraith, Q. Hope, og D. Miller (2001): Making solutions the answer. *McKinsey Quarterly*, August.
- Foster, R. (1986): *Innovation: The Attacker's Advantage*. London: MacMillan Press.
- Frambach, R.T., I. Wels-Lips og A. Gündlach (1997): Proactive product service strategies – an application in the European health market. *Industrial Marketing Management*, 26: 341–52.
- Friedman, T. (2006): *The World is Flat: the Globalized World in the Twenty First Century*, London: Penguin.
- Fujita, M., P. Krugman og A.J. Venables (2001): *The Spatial Economy*. Cambridge. Mass: MIT Press.
- Gabrielsson, M. og V.H.M. Kirpalani (eds.) (2012): *Handbook of Research on Born Globals*. London: Edward Elgar Publishing Publishing Limited.
- Gebauer, H. og E. Fleisch (2007): An investigation of the relationship between behavioral processes, motivation, investments in the service business and service revenue. *Industrial Marketing Management*, 36: 337–348.
- Gebauer, H. og T. Friedli (2005b): Behavioural Implications of the Transition Process from Products to Services. *Journal of Business and Industrial Marketing*, 20(2): 70–80.
- Gebauer, H., E. Fleisch og T. Friedli (2005a): Overcoming the Service Paradox in Manufacturing Companies. *European Management Journal*, 23(1): 14–26.
- Ghemawat, P. (2003): The Forgotten Strategy. *Harvard Business Review*, November.
- Glushko, R.J. (2008): Designing a Service Science Discipline with Discipline. *IBM systems journal*, 47(1): 15–27.
- Goffin, K. og C. New (2001): Customer support and new product development, an exploratory case study. *JOPM*, 21(3): 275–301.
- Goffin, K. (1999): Customer support: A cross-industry study of distribution channels and strategies. *International Journal of Physical Distribution & Logistics Management*, 29(6): 374–97.
- Grant, R.M. (1996): Toward a knowledge-based theory of the firm. *Strategic Management Journal*, 17(Winter Special Issue): 109–122.
- Grimsby, G., L.A. Grünfeld og E.W. Jakobsen (2009): 99% SMB – *Grunnfjell og vekstmotorer i norsk næringsliv*, MENON-publikasjon nr. 13/2009.
- Grönroos C. (1978): A Service Oriented Approach to Marketing of Services. *European Journal of Marketing*, 12(8): 588–601.
- Grossman, G.M. og E. Rossi-Hansberg (2008a): Trading Tasks: A Simple Theory of Offshoring. *American Economic Review*, 98: 1978–1997.
- Grossman, G.M. og E. Rossi-Hansberg (2008b): Task Trade between Similar Countries. *National Bureau of Economic Research*, NBER Working Papers 14554.
- Gunter, B. og A. Bonaccorsi (1996): Project Marketing and Systems Selling: In Search of Frameworks and Insights. *International Business Review*, 5(6): 531–37.

- Hacklin, F. (2008): *Management of Convergence in Innovation – Strategies and Capabilities for Value Creation Beyond Blurring Industry Boundaries*. Heidelberg: Physica-Verlag.
- Hammond, A.L., W. Kramer, R. Katz, J. Tran og C. Walker (2007): *The Next 4 Billion: Market Size and Business Size at the Base of the Pyramid*. Washington D.C.: World Resources Institute and International Finance Corporation.
- Hanssen-Bauer, J. og C. Snow (1996): Responding to hypercompetition: The structure and processes of a regional learning network organization. *Organization Science*, 7(4): 413–427.
- Henkel, C.B., O.B. Bendig, T. Caspary og N. Hasagic (2004): *Industrial Services Strategies: The quest for faster growth and higher margins*. Monitor Group.
- Hidaka, K. (2006): Trends in Services Sciences in Japan and Abroad. *Quarterly Review*, 19.
- Hill, P. (1977): On goods and services. *Review of Income and Wealth*, 23(4): 315–338.
- Hilmersson, M. (2012): Experiential knowledge types and profiles of internationalising small and medium-sized enterprises. *International Small Business Journal*, November 30.
- Hipp, C. og H. Grupp (2005): Innovation in the service sector: the demand for service-specific innovation measurement concepts and typologies. *Research Policy*, 34: 517–35.
- Homburg, C., M. Fassnacht og C. Günther (2003): The role of soft factors in implementing a service-oriented strategy in industrial marketing companies. *Journal of Business-to-Business Marketing*, 10(2): 23–51.
- Howells, J. (2000): *The nature of innovation in services*. Report presented to the OECD Innovation and Productivity in Services Workshop. 31st October–3rd November, Sydney, Australia.
- Howells, J. (2004): Innovation, Consumption and Services: Encapsulation and the Combinatorial Role of Services. *Service Industries Journal*, 24(1): 19–36.
- Håkansson, H., D. Ford, L.G. Gadde, I. Snehota og A. Waluszewski (2009): *Business in Networks*. London, UK: John Wiley & Sons.
- Immelt, J.R., V. Govindarajan og C. Trimble (2009): How GE Is Disrupting Itself. *Harvard Business Review*, October, s. 56–65.
- Isaksson, O., T.C. Larsson og P. Johansson (2011): Towards a framework for developing product/service systems. *Functional Thinking for Value Creation*, s. 44–49.
- Jacob, F. og W. Ulaga (2008): The transition from product to service in business markets: An agenda for academic inquiry. *Industrial Marketing Management*, 37(3): 247–53.
- Jaffe, A.B., M. Trajtenberg og R. Henderson (1993): Geographic Localization of Knowledge Spillovers as Evidenced by Patent Citations. *The Quarterly Journal of Economics*, 108(3): 577–98.
- Jahns, J. (2001), Photonik – Grundlagen, Komponenten und Systeme, München, Wien: Oldenbourg.
- Jansson, H., S. Sandberg (2008): Internationalization of Small and Medium Sized Enterprises in the Baltic Sea Region. *Journal of International Management*, 14: 65–77.
- Johannesson, B. (1987): Toward a theory of local entrepreneurship. I: R.G. Wyckham, N.M. Lindsay og R.B. Gervase (eds.) (1987): *The spirit of entrepreneurship*. Vancouver: Simon Fraser University.
- Johanson, J. og J.-E. Vahlne (2009): The Uppsala internationalization process model revisited: From liability of foreignness to liability of outsidership, *Journal of International Business Studies*, s. 1411–1431.
- Johanson, J. og J.-E. Vahlne (1977): The internationalisation process of the firm – A model of knowledge development and increasing Foreign Market Commitments. *Journal of International Business Studies*.
- Johnson, G., K. Scholes og R. Whittington (2008): *Exploring Corporate Strategy: Text and Cases*. 8th edition. London: Prentice Hall International.
- Johnson, G., L. Melin og R. Whittington (2003): Micro strategy and strategizing: Towards an activity-based view. *Journal of Management Studies*, 40(1): 3–22.

- Johnstone, S., A. Dainty og A. Wilkinson (2009): Integrating products and services through life: an aerospace experience. *International Journal of Operations & Production Management*, 29(5): 520–538.
- Jones, A., L. Williams, N. Lee, D. Coats og M. Cowling (2006): *Ideopolis: Knowledge City-Regions*. London: The Work Foundation.
- Kalliokoski, P., G. Andersson, V. Salminen og J. Hemilä (2004): *BestServ Feasibility Study*. Final Report. Kerava: Technology Industries of Finland.
- Kalwani, M.U. og N. Narayandas (1995): Long-Term Manufacturer-Supplier Relationships: Do They Pay off for Supplier Firms? *Journal of Marketing*, 59(1) (Jan.): 1–16.
- Kandasami, S. (2004): Internationalisation of small and medium-sized born-global firms: a conceptual model. *Graduate School of Management*, University of Western Australia.
- Kim, S-H., M.A. Cohen og S. Netessine (2007): Performance Contracting in After-Sales Service Supply Chains. *Management Science*, 53(12): 1843–1858.
- Kim, Y.J. og K. Nam (2009): *Service Systems and Service Innovation: Toward the Theory of Service Systems*. AMCIS 2009 Proceedings. Paper 1. <http://aisel.aisnet.org/amcis2009/1>
- Kindström, D. og C. Kowalkowski (2009): Development of industrial service offerings: a process framework. *Journal of Service Management*, 20(2): 156–172.
- Kleinberg, J. (2005): *Economic prospects in nanobiotechnology*. I: NanoBioConvergence Forum Meeting, Palo Alto, CA.
- Knecht, T., R. Leszinski og F.R. Weber (1993): Making profits after the sale. *McKinsey Quarterly*, (4): 79–86.
- Knights, G. og T. Cavusgil (2005): A taxonomy of born-global firms. *Management International Review*, 45(3): 15–35.
- Kogut, B. (1985): Designing global strategies: comparative and competitive value added changes. *Sloan Management Review*, 27: 15–28.
- Kowalkowski, C. (2008): *Managing the Industrial Service Function*. Doctoral Dissertation. No.117. International Graduate School of Management and Industrial Engineering. IMIE. Department of Management and Engineering. Linköping University. Sweden.
- Kowalkowski, C. og D. Kindström (2009): Value visualization strategies for PSS development. Chapter in: T. Sakao og M. Lindahl (Eds.) (2009): *Introduction to Product/Service-System Design*, s. 159–182.
- Kowalkowski, C., L. Witell og A. Gustafsson (2012): Any Way Goes: Identifying Value Constellations for Service Infusion in SMEs. *Industrial Marketing Management*.
- Krishnamurthy, C., J.E. Johansson og H. Schlissberg (2003): Solutions Selling – Is the Pain Worth the Gain? I: McKinsey & Company. Ed. (2003): *Marketing & Sales Practice*.
- Kudina, A., G.S. Yip og H.G. Barkema (2008): Born Global. *Business Strategy Review*, 19(4): 38–44, Winter 2008.
- Kumar Jaiswal, A. (2007): Fortune at the Bottom of the Pyramid: An Alternate Perspective, W.P. No.2007-07-13, *Indian Institute of Management*.
- Lapierre, J. (2000): Customer-perceived value in industrial contexts. *Journal of Business & Industrial Marketing*, 15(2/3): 122–145.
- Lay, G. (2002): *Serviceprovider Industry: Industrial Migration from Manufacturing to Selling Products and Services: Trends and Impacts*. Fraunhofer Institute Systems and Innovation Research, Karlsruhe (Germany).
- Lay, G. og P. Jung Erceg (Eds.) (2002): *Produktbegleitende Dienstleistungen. Konzept und Beispiele erfolgreicher Strategieentwicklung*. Berlin: Springer.
- Lay, G. og M. Nippa (2005): *Management produktbegleitender Dienstleistungen. Konzepte und Praxisbeispiele für Technik, Organisation und Personal in serviceorientierten Industriebetrieben*. Heidelberg: Physica.

- Lele, M.M. (1997): After-sales service – necessary evil or strategic opportunity? *Managing Service Quality*, 7(3): 141–45.
- Leonidou, L.C. og S. Samiee (2012): Born global or simply rapidly internationalizing? Review, critique, and future prospects. I: M. Gabrielsson og V.H.M. Kirpalani (eds.): *Handbokk of Research on Born Globals*. London: Edward Elgar Publishing Publishing Limited, s. 16–35.
- Levitt, T. (1981): Marketing Intangible Products and Product Intangibles. *Harvard Business Review*, 81: 94–102.
- Levitt, T. (1983): After the sale is over. *Harvard Business Review*, 61(5): 87–93.
- Lewis, W.A. (1942): Notes on the economics of loyalty. *Economica*, 9(36): 333–348.
- Liesch, P., M. Steen, S. Middleton og J. Weerawardena (2007): *Born to be global: a closer look at the international venturing of Australian born global firms*. Australian Business Foundation, August.
- Livesey, F. (2006): *Defining High Value Manufacturing*. Report for the Confederation of British Industry (CBI) and the Department of Trade and Industry (DTI). University of Cam-bridge Institute for Manufacturing.
- Looy, van, B., Dierdonck, van, R. og Gemmel, R. Eds. (1998): *Services Management: An Integrated Approach*. Upper Saddle River: Prentice Hall.
- Lusch, R.F. og S.L. Vargo (2006): Service-dominant logic: reactions, reflections and refinements. *Marketing Theory*, 6(3): 281–288.
- Mager, B. (2004): *Service design review*. Cologne: Koln International School of Design.
- Mager, B. (2006): *Service design basics*. Cologne: Koln International School of Design.
- Mahabier, G. (2011): A Firm's Strategic Behaviour in Networks: How Strategic Behaviour and Network Positions of the Focal Firm Influence the Firm's Performance, Master of Science Thesis, Delft University of Technology, September.
- Malleret, V. (2006): Value creation through service offers. *European Management Journal*, 24(1): 106–116.
- Malmberg, A., Ö. Sölvell og I. Zander (1996): Spatial Clustering, Local Accumulation of Knowledge and Firm Competitiveness. *Geografiska Annaler*, 78 B. 2. s. 85–97.
- March, J.G. (1991): Exploration and exploitation in organizational learning. *Organization Science*, 2(1): 71–87.
- Markeset, T. og U. Kumar (2005): Product support strategy: conventional versus functional products. *Journal of Quality in maintenance Engineering*, 11: 53–67.
- Marsh, P.T. (2012): *The New Industrial Revolution Consumers, Globalization and the End of Mass Production*. New Haven: Yale University Press.
- Marshall, A. (1890): *Principles of Economics*, London: Macmillan.
- Mathe, H. og R.D. Shapiro (1993): *Integrating Service Strategy in the Manufacturing Company*. Suffolk (UK): Chapman & Hall.
- Mathieu, V. (2001a): Product services: from a service supporting the product to a service supporting the client. *Journal of Business & Industrial Marketing*, 16(1): 39–61.
- Mathieu, V. (2001b): Service strategies within the manufacturing sector: benefits, costs and partnership. *International Journal of Service Industry Management*, 12(5): 451–75.
- Matthyssens, P. og K. Vandenbergem (1998): Creating competitive advantage in industrial services. *Journal of Business & Industrial Marketing*, 13(4/5): 339–55.
- Matthyssens, P. og K. Vandenbergem (2008): Moving from basic offerings to value-added solutions: strategies, barriers and alignment. *Industrial Marketing Management*, 37: 316–328.
- Matthyssens, P., K. Vandenbergem og L. Berghman (2006): Value Innovation in Business Markets: Breaking the Industry Recipe. *Industrial Marketing Management*, 35(6): 751–761.
- McKinsey Global Survey (2012): *Minding your digital business*. McKinsey Global Survey results, May.
- Meyer, K. og A. Skak (2002): Networks, serendipity and SME entry into Eastern Europe. *European Management Journal*, 20: 179–188.

- Möller, K. og A. Rajala (2007): Rise of strategic nets: new modes of value creation. *Industrial Marketing Management*, 36(7): 895–908.
- Mont, O (2002): Clarifying the concept of product-service system. *Journal of Cleaner Production*, 10(3): 237–245.
- Mont, O. (2004): Product-Service Systems: Panacea or Myth? Ph.D. Thesis. Lund: Lund University.
- Moskowitz, S. (2009): *The Advanced Materials Revolution. Technology and Economic Growth in the Age of Globalization*, Hoboken: John Wiley & Sons, 255ff.
- Moultrie, J, F. Livesey, C. Malvido, A. Beltagui, K. Pawar og J. Riedel (2009): Design funding in firms: a conceptual model of the role of design in industry. *Design Management Journal*, 4(1): 68–82.
- Movin, S. og C. Plogner (2012): *Mobilisering för innovation – Studie baserad på diskussioner med 10 koncernledare i ledande svenska företag*. VINNOVA Rapport. VR 2012:07.
- Munos, A. (2002): Service Delivery Systems, Services Marketing and Technologies. *International Journal of Service Technology and Management*, 3(3): 263–276.
- Nambisan, S. (2001): Why service businesses are not product businesses. *Sloan Management Review*, 42(4): 72–79.
- Neely, A. (2008): Exploring the Financial Consequences of the Servitization of Manufacturing. *Operations Management Research*, 1(2): 103–118.
- Neely, A. (2013): *Why Servitize: Alternative Rationales*. <http://andyneely.blogspot.com.au/search?updated-min=2013-01-01T00:00:00-08:00&updated-max=2014-01-01T00:00:00-08:00&max-results=3>. Tuesday, 5 March 2013.
- Neely, A., D. Mcfarlane og I. Visnjic (2011): *Complex Service Systems – Identifying Drivers, Characteristics and Success Factors*. I: 18th European Operations Management Association Conference. Cambridge. UK.
- Nordås, H.K. og Y. Kim (2013): *The Role of Services for Competitiveness in Manufacturing*. OECD Trade Policy Papers. No. 148. OECD Publishing. <http://dx.doi.org/10.1787/5k484xb7cx6b-en>
- Nordin, F. og C. Kowalkowski (2010): Solutions offerings: A critical review and reconceptualisation. *Journal of Service Management*, 21(4): 441–459.
- Normann, R. og R. Ramírez (1993): From value chain to value constellation: designing interactive strategy. *Harvard Business Review*, 71(4): 65–77.
- Normann, R. og R. Ramírez (1994): *Designing interactive strategy: From value chain to value constellation*. Chichester. UK: John Wiley & Sons.
- Nuutinen, M. og I. Lappalainen (2010): Teknologiyritykset matkalla kohti palveluliiketoimintaa: Palvelukyky ja -kulttuuri muutoksen johtamisen tulkinna.
- O'Neill, J., D. Wilson, R. Purushothaman og A. Stupnytska (2005): How Solid are the BRICs? *Global Economics Paper No: 134*, Goldman Sachs Economic Research.
- O'Reilly, C.A. og M.L. Tushman (2004): The ambidextrous organization. *Harvard Business Review*, 82(4): 74–81.
- OECD (2009a): The Bioeconomy to 2030: Designing a Policy Agenda, Paris: OECD.
- OECD (2009b): Industry Structure and Business Models for Industrial Biotechnology, OECD workshop on “Outlook on Industrial Biotechnology”, DSTI/STP/BIO(2009)22, Paris: OECD.
- OECD (2010), Trends in Technology and Applications, OECD workshop on “Outlook on Industrial Biotechnology”, DSTI/STP/BIO(2009)25, Paris: OECD.
- Oliva, R. og R. Kallenberg (2003): Managing the transition from products to services. *International Journal of Service Industry Management*, 14(2): 160–72.
- Onkvisit S. og J.J. Shaw (1991): Is Services Marketing «Really» Different? *Journal of Professional Services Marketing*, 7(2): 3–17.
- Orr, G. og E. Roth (2012): A CEO's guide to innovation in China, *McKinsey Quarterly*, February.
- Ortt, J.R. og J.P.L. Schoormans (2004): The pattern of development and diffusion of breakthrough communication technologies. *European Journal of Innovation Management*, 7(4): 292–302.

- Osterwalder, A., Y. Pigneur og C. Tucci (2005): Clarifying business models: origins, present, and future of the concept. *Communications of the Association for Information Systems*, Vol. 15.
- Paap, J. og R. Katz (2004): Anticipating disruptive innovation. *Research-Technology Management*, 47(5): 13–22.
- Parker, S. og J. Heapy. (2006): *The journey to the interface: How public service design can connect users to reform*. London: Demos.
- Penttinen, E. og J. Palmer (2007): Improving firm positioning through enhanced offerings and buyer-seller relationships. *Industrial Marketing Management*. 36(5): 552–64.
- Phillips, F., L. Ochs og M. Schrock (1999): The Product Is Dead – Long Live the Product-Service! *Research Technology Management*, 42(4): 51–56.
- Piore, M.J. og C.F. Sabel (1984): *The second industrial divide - possibilities for prosperity*. New York: Basic Books.
- Porter, M.E. (1996): What Is Strategy? *Harvard Business Review*, 74(6): 61–78.
- Porter, M.E. (2008): The Five Competitive Forces That Shape Strategy. *Harvard Business Review*, January.
- Porter, M.E. (1980): *Competitive Strategy: Techniques for Analyzing Industries and Competitors*. New York: The Free Press.
- Powell, A. (2002): Smart machines save energy: vending machine innovations slake thirst for savings. *Harvard University Gazette*, October 17.
- Prahalad, C.K. (2005): *The Fortune at the Bottom of the Pyramid: Eradicating Poverty through Profits*. New Delhi: Pearson Education/Wharton School Publishing.
- Prahalad, C.K. (2010): The fortune at the bottom of the pyramid: eradicating poverty through profits Revised and Updated 5th Anniversary Edition, New Jersey: Wharton School Publishing.
- Prahalad, C.K. og S.L. Hart (2002): The Fortune at the Bottom of the Pyramid. *Strategy +Business*, 26: 1–14.
- Prahalad, C.K. og Y. Doz (1987): *The Multinational Mission: Balancing Local Demands and Global Vision*. New York: The Free Press.
- Quinn, J.B., T.L. Dierley og P.C. Paquette (1990): Beyond products: services-based strategy. *Harvard Business Review*. 68(2): 58–66.
- Ramírez, R. (1999): Value co-production: intellectual origins and implications for practice and research. *Strategic Management Journal*. 20(1): 49–65.
- Rangan, K.V; M. Chu og D. Petkoski (2011): Segmenting The Base of The Pyramid, *Harvard Business Review*, June.
- Rathmell J.M. (1966): What is Meant by Services? *Journal of Marketing*, 30: 32–36.
- Regan, W.J. (1963): The Service Revolution. *Journal of Marketing*, 47: 57–62.
- Reichert, S. (2006): *The Rise of Knowledge Regions: Emerging Opportunities and Challenges for Universities*. European University Association Publications.
- Reichheld, F. (1996): *The Loyalty Effect*. Harvard Business School Press, Boston, MA.
- Reichheld, F. og W.E. Sasser Jr, (1990): Zero Defections: Quality Comes to Services, *Harvard Business Review*, sept-okt, 68: 105–11.
- Reiman, T. og P. Oedewald (2002): *The assessment of organisational culture. A methodological study*. VTT Research Notes 2140. VTT, Espoo. <http://www.vtt.fi/inf/pdf/tiedotteet/2002/T2140.pdf>.
- Reiman, T. (2007): *Assessing organizational culture in complex sociotechnical systems*. Methodological evidence from studies in nuclear power plant maintenance organizations. VTT Publications 627. VTT, Espoo. <http://www.vtt.fi/inf/pdf/publications/2007/P627.pdf>.
- Reinartz, W. og W. Ulaga (2008): How to Sell Services More Profitably. *Harvard Business Review*, 86(5): 90–97.
- Ren, G. (2009): Service Business Development in Manufacturing Companies: Classification, Characteristics and Implications. PhD Dissertation. University of Cambridge.
- Reve, T., T. Lensberg og K. Grønhaug (1992): *Et konkurransedyktig Norge*. Oslo: TANO AS.

- Rivoli, P. (2006): *The Travels of a T-Shirt in the Global Economy: an Economist Examines the Markets, Power and Politics of World Trade*, Wiley: Hoboken.
- Roco, M.C. og W.S. Bainbridge (2002a): Converging technologies for improving human performance: Integrating from the nanoscale. *Journal of Nanoparticle Research*, 4(4): 281–295.
- Roco, M.C. og W.S. Bainbridge (2005): Societal implications of nanoscience and nanotechnology: Maximizing human benefit. *Journal of Nanoparticle Research*, 7(1): 1–13.
- Roco, M.C. og W.S. Bainbridge (eds.) (2002b): *Converging technologies for improving human performance: nanotechnology, biotechnology, information technology and cognitive science*. Arlington, VA: National Science Foundation.
- Roco, M.C. og C.D. Montemagno (eds.) (2004): The Coevolution of Human Potential and Converging Technologies, vol. 1013 of *Annals of the New York Academy of Sciences*. New York: New York Academy of Sciences.
- Rojas-Chapana, J.A. og M. Giersig (2006): Multi-walled carbon nanotubes and metallic nanoparticles and their application in biomedicine. *Journal of Nanoscience and Nanotechnology*, 6(2): 316–321.
- Roos, G., S. Pike og L. Fernström (2005): *Managing Intellectual Capital in Practice*. Amstedam: Elsevier.
- Rothenberg, S. (2007): Sustainability through servicizing. *MIT Sloan Management Review*, 48(2): 82–91.
- Salonen, A. (2011): Service transition strategies of industrial manufacturers. *Industrial Marketing Management*, 40(5): 683–690.
- Sanchez, P. og J.E. Ricart (2010): Business model innovation and sources of value creation in low-income markets. *European Management Review*, 7: 138–154.
- Sandberg, S. (2012): Internationalization processes of small and medium-sized enterprises: Entering and taking off from emerging markets. Doctoral Thesis. Växjö, Kalmar, Linnaeus University Press. 272.
- Santamaría, L., J.M. Nieto og I. Miles (2012): Service innovation in manufacturing firms: Evidence from Spain. *Technovation*, 32(2): 144–155.
- Sawhney, M. (2006): Going beyond the Product: Defining, Designing, and Delivering Customer Solutions. I: R.F. Lusch og S.L. Vargo (eds.) (2006): *The Service-dominant Logic of Marketing: Dialog, Debate, and Directions*. New York: M.E.Sharpe. Armonk. s. 365–380.
- Sawhney, M., S. Balasubramanian og V.V. Krishnan (2004): Creating growth with services. *MIT Sloan Management Review*, 34(4): 34–43.
- Schafer, S., H.J. Smith og J. Linder (2005): The Power of Business Models. *Business Horizons*, (48): 199–207.
- Schmenner, R.W. (2009): Manufacturing, Service, and their Integration: Some History and Theory. *International Journal of Operations & Production Management*, 29(5): 431–443.
- Schumacher, G., S. Preston, A. Smith, P. Sajgalik (2007): *Future Perspectives of European Materials Research*, Jülich: Research Centre Jülich, Matter and Materials, s. 35.
- Scott, A.J. (1983): Industrial organization and the logic of intra-metropolitan location. I: Theoretical considerations. *Economic Geography*, 59(3): 233–250.
- Scott, A.J. (1988): *New industrial spaces: flexible production organization and regional development in North America and Western Europe*. London: Pion.
- Sharma, D. og R. Molloy (1999): *The Truth About Customer Solutions*. Viewpoint report, Booz-Allen & Hamilton.
- Sheehan, J. (2006): Understanding Services Sector Innovation, *Communications of The ACM*, 49(7).
- Shepherd, C. og P.K. Ahmed (2000): From product innovation to solutions innovation: a new paradigm for competitive advantage. *European Journal of Innovation Management*, 3(2): 100–106.
- Shostack G. (1977): Breaking Free from Product Marketing. *Journal of Marketing*, 41: 73–80.

- Slack, N. (2005a): *Patterns of «servitization»: beyond products and services*. Institute for Manufacturing, Cambridge University, London.
- Slack, N. (2005b): Operations strategy: will it ever realise its potential. *Gestao and Producao*, 12(3): 323–32.
- Slepniov, D., B.V. Waehrens og J. Johansen (2010): *Servitization in Danish Manufacturing Firms: A Strategy for Survival?* Paper for the research theme: Global Network Analysis, Design and Transformation: How are Enterprises Adapting to Meet New Challenges? 15th Cambridge International Manufacturing Symposium, 23–24 September, 2010, Cambridge, UK.
- Solberg, C.A. (1988): Export Strategy and Pricing Policies in Norwegian Export Companies. *Monetary Review*, Spring.
- Solberg, C.A. (1988): *Successful and Unsuccessful Exporters: An empirical Study of 114 Norwegian Export Companies*, Working Paper, Norwegian School of Management, Sandvika, Norway.
- Solberg, C.A. (1991): *Globalisering av norsk industri markeder*, Handelshøyskolen BI.
- Sölvell, Ö. (2008): Clusters-Balancing Evolutionary and Constructive Forces. Ivory Tower Stockholm: Publishers.
- Sölvell, Ö., G. Lindqvist og C. Ketels (2003): The Cluster Initiative Greenbook. Stockholm: Ivory Tower.
- Spring, M. og L. Araújo (2009): Service, services and products: rethinking operations strategy. *International Journal of Operation & Production Management*, 29(5): 444–467.
- Storey, D. og F. Greene (2010): *Small business and entrepreneurship*. Harlow, UK: Financial Times/ Prentice Hall.
- Stremersch, S., S. Wuyts og R.T. Frambach (2001): The Purchasing of Full-Service Contracts: An Exploratory Study within the Industrial Maintenance Market. *Industrial Marketing Management*, 30(1): 1–12.
- Suarez, E.F. (2004): Battles for technological dominance: an integrative framework. *Research Policy*, 33: 271–286.
- Tandon, S. og S. Shome (2009): The Cracks In The BRICs. *Annals of the University of Petro?ani, Economics*, 9(4): 273–282.
- Taney, S. (2012): Global from the Start: The Characteristics of Born-Global Firms in the Technology Sector. *Technology Innovation Management Review*. March 2012: 5–8.
- Tasse, G. (2010): Rationales and mechanisms for revitalizing US manufacturing R&D strategies. *Journal of Technology Transfer*, 35 (June): 283–333.
- Tasse, G. (2012): *Beyond the Business Cycle: The Need for a Technology-Based Growth Strategy*, National Institute of Standards and Technology, U.S. Department of Commerce, February.
- Tegart, G. (2002): *Nanotechnology: the technology for the 21st century*. Report, Asia-Pacific Economic Cooperation (APEC), Industrial Science and Technology Working Group.
- The Dragon and the Elephant: *Understanding the Development of Innovation Capacity in China and India*: Summary of a Conference, National Academy of Sciences, <http://www.nap.edu/catalog/12873.html>
- Thomas, D.R.E. (1978): Strategy is different in service business. *Harvard Business Review*, 56(4): 158–165.
- Tillväxtanalys. (2010a): *Tjänsternas betydelse för tillväxt och omvandling i svensk ekonomi*. Rapport 2010:13.
- Tillväxtanalys. (2010b): *Vilken betydelse har immateriella investeringar för den svenska ekonomin*. WP/PM 2010:16.
- Toivonen, M. (2008): Industrial innovations in relation to service sectors. I: H. Hirsch-Kreinsen og D. Jacobson (Eds.) (2008): *Industrial Dynamics, Entrepreneurship and Innovation*. Cheltenham. UK: Edward Elgar, s. 160–174.

- Tomlinson, M. (1997): *The Contribution of Services to Manufacturing Industry: Beyond the Deindustrialisation Debate*. Manchester University Centre for Research on Innovation and Competition (CRIC). Working paper no 5.
- Trott, P. (2008): *Innovation Management and New Product Development*. 4th ed. Harlow. Pearson Education Limited.
- Tukker, A. (2004): Eight types of product service system; eight ways to sustainability? experiences from SUSPRONET. *Business Strategy and the Environment*, 13: 246–60.
- Tukker, A., C. Van den Berg og U. Tischner (2006): Product-services: a specific value proposition. I: A. Tukker og U. Tischner (eds.) (2006): *New Business for Old Europe: Product-Service Development, Competitiveness and Sustainability*. England: Greenleaf Publishing.
- Tuli, K.R., A.K. Kohli og S.G. Bharadwaj (2007): Rethinking Customer Solutions: From Product Bundles to Relational Processes. *Journal of Marketing*, 71(7): 1–17.
- Tushman, M.L. og P. Anderson (1986): Technological discontinuities and organizational environments. *Administrative Science Quarterly*, 31(3): 439–465.
- Tushman, M.L. og C.A. O'Reilly (1996): The ambidextrous organization: Managing evolutionary and revolutionary change. *California Management Review*, 38(4): 8–30.
- Ulaga, W. og W.J. Reinartz (2011): Hybrid Offerings: How Manufacturing Firms Combine Goods and Services Successfully. *Journal of Marketing*, 75. November. s. 5• 23.
- Vandermerwe, S. og J. Rada (1988): Servitization of Business: Adding Value by Adding Service. *European Management Journal*, 6(4): 314–324.
- Vandermerwe, S. (1994): Quality in services: The «softer» side is «harder» (and smarter). *Long Range Planning*, 27(2): 45–56.
- Vargo, S.L. og R.F. Lusch (2004): Evolving to a New Dominant Logic for Marketing. *Journal of Marketing*, 68 (January). s. 1–17.
- Veie, E. (1994): David og Goliat – Industrialianser Mellom Små Teknologibedrifter og Internasjonale Konsern, *Praktisk Økonomi & Ledelse*, Nr. 2, s. 113–119.
- Visnjic, I. og B. Van Looy (2011): *Can a Product Manufacturer Become a Successful Service Provider? In Pursuit of a Business Model that Fosters Complementarity between Product and Service Activities Perspectives*. San Antonio. USA: Academy of Management Conference.
- Volberda, H.W. (1996): Toward the flexible form: How to remain vital in hypercompetitive environments. *Organization Science*, 7(4): 359–374.
- von Koch, N. (2008): Vändningen dröjer. *Affärsvärlden*, 26th November. s. 42.
- Wale, K (2012): Automotive innovation in China: The view from General Motors, *McKinsey Quarterly*, February.
- Wallin, A., J. Tähtinen og M. Nuutinen (Eds.) (2012). Paths towards pioneering in service business. VTT TECHNOLOGY 18, VTT Technical Research Centre of Finland.
- Ward, Y. og A. Graves (2005): *Through-Life Management: The Provision of Integrated Customer Solutions by Aerospace Manufacturers*. London: Bath University (internal publication).
- Warren, A. og G.I. Susman (2004): *Review of Innovation Practices in Small Manufacturing Companies*, for NIST. The Pennsylvania State Universit. Smeal College of Business.
- Weber, C. (2004): *Modelling of Product-Service Systems (PSS) Based on the PDD Approach*. Paper presented at the International Design Conference - Design 2004. Dubrovnik. May 18–21.
- Whittington, R. (1996): *Strategy as Practice*. London: Routledge.
- Windahl, C. (2007): Integrated Solutions in the Capital Goods Sector Exploring Innovation, Service and Network Perspectives. PhD Dissertation. No. 1098. Linköping: Linköping University.
- Windahl, C., P. Andersson, C. Berggren og C. Nehler (2004): Manufacturing firms and integrated solutions: characteristics and implications. *European Journal of Innovation Management*, 7: 218–228.
- Wise, R. og P. Baumgartner (1999): Go downstream: the new profit imperative in manufacturing. *Harvard Business Review*. 77(5): 133–41.

- Wrolstad, J. (2002): IBM sends smart laundry machines to college. *Wireless NewsFactor*, September 4.
- Wurm, M. og N. Harmsen (2012): Born Globals and their Strategic Behaviour – A case study of small and medium sized companies in a global business environment, Master Thesis, Linnaeus University.
- Wyckham R.G., P.T. Fitzroy og G.D. Mandry (1975): Marketing of Services – An Evaluation of the Theory. *European Journal of Marketing*, 9(1): 59–67.
- Yip, G. (1994): *Global Strategi*. Dublin: Green Valley University Press. Oversatt og bearbeidet av G. von Krogh og J. Roos.
- Yip, G. (1995): *Total Global Strategy: Managing for Worldwide Competitive Advantage*, Upper Saddle River, N.J.: Prentice Hall.
- Zeithaml V.A. (1981): How Consumer Evaluation Processes Differ between Goods and Services. Reprinted in C. Lovelock (1991): *Services Marketing*, 2nd Edition, Upper Saddle River, New Jersey: Prentice Hall.
- Zeithaml V.A., A. Parasuraman og L.L. Berry (1985): Problems and Strategies in Services, Marketing. *Journal of Marketing*, 49: 33–46.
- Zeithaml, V., A. Parasuraman og L.L. Berry (1985b): A conceptual model of service quality and its implication for future research, *Journal of Marketing*, Autumn.

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