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■ Date and Place of Birth, Citizenship

Date of birth: May 15, 1958

Place of birth: Tokyo, Japan

Citizenship: Japan

■ Education

1998 Ph.D. (Management), Sloan School of Management, Massachusetts Institute of Technology

1990 M.S. (Management), Sloan School of Management, Massachusetts Institute of Technology

1982 B.A. (International Relations), College of Arts and Sciences, The University of Tokyo

■ Thesis

Ph.D. Dissertation: Takeishi, Akira, "Strategic Management of Supplier Involvement in Automobile Product Development." Unpublished Ph.D. Dissertation, M.I.T. Sloan School of Management, February 1998.

Master's Thesis: Takeishi, Akira, "A Study of Supplier Relationships in the American and Japanese Automotive Industries," Unpublished Master's Thesis, M.I.T. Sloan School of Management, May 1990.

■ Professional Positions

2008- Professor, Graduate School of Economics, Kyoto University

2003-2008 Professor, Institute of Innovation Research, Hitotsubashi University

1998-2003 Associate Professor, Institute of Innovation Research, Hitotsubashi University

1982-1994 Mitsubishi Research Institute, Inc.

■ Primary Fields of Research

Strategic Management; Competitive Strategy; Management of Technology; Innovation Process; Business Architecture

■ Courses Taught at Kyoto University

- Strategic Management (Faculty of Economics)

- Introduction to Management (Faculty of Economics)
- Seminar (Faculty of Economics)
- Research Methods for Management Studies (Graduate School of Economics)
- Readings on Firm and Strategy (Graduate School of Economics)
- Management of Technology (Graduate School of Management)
- Industry and Innovation (Kyoto University International Education Program)

■ **Publications in English** (*= refereed)

1. Itami, Hiroyuki, Ken Kusunoki, Tsuyoshi Numagami and Akira Takeishi (eds.), *Dynamics of Knowledge, Corporate Systems and Innovation*. Heidelberg: Springer, 2010.
2. Takeishi, Akira and Tsuyoshi Numagami, “Boundaries of Innovation and Social Consensus Building: Challenges for Japanese Firms.” In Hiroyuki Itami, Ken Kusunoki, Tsuyoshi Numagami and Akira Takeishi (eds.), *Dynamics of Knowledge, Corporate Systems and Innovation*. Heidelberg: Springer, 2010, pp. 25-42.
3. Takeishi, Akira, Yaichi Aoshima and Masaru Karube, “Reasons for Innovation: Legitimizing Resource Mobilization for Innovation in the Cases of Okochi Memorial Prize Winners.” In Hiroyuki Itami, Ken Kusunoki, Tsuyoshi Numagami and Akira Takeishi (eds.), *Dynamics of Knowledge, Corporate Systems and Innovation*. Heidelberg: Springer, 2010, pp. 165-189.
4. Nagaoka, Sadao, Akira Takeishi and Yoshihisa Noro, “Determinants of Firm Boundaries: Empirical Analysis of the Japanese Auto Industry from 1984 to 2002.” *Journal of the Japanese and International Economies*, 22, 2008, pp. 187-206.*
5. Nagaoka, Sadao, Akira Takeishi, and Yoshihisa Noro, “Determinants of Firm Boundaries: Empirical Analysis of the Japanese Auto Industry from 1984 to 2002.” NBER Working Paper No. 13063, April 2007. (<http://www.nber.org/papers/w13063>)
6. Takeishi, Akira and Kyoung Joo Lee, “Mobile Innovation and the Music Business in Japan: The Case of Ringing Tone Melody (“Chaku-Mero”).” In Stuart Barnes and Eusebio Scornavacca (eds.) *Unwired Business: Cases in Mobile Business*. Hershey: Idea Group Publishing, 2006, pp. 1-13.
7. Takeishi, Akira and Yaichi Aoshima, “Case Study Shimano: Market Creation Through Component Integration.” In Cornelius Herstatt, Christoph Stockstrom, Hugo Tschirky, and Akio Nagahira (eds.), *Management of Technology and Innovation in Japan*. Berlin: Springer, 2006, pp. 29-48.
8. Takeishi, Akira and Kyoung Joo Lee, “Mobile Music Business in Japan and Korea: Copyright Management Institutions as a Reverse Salient.” *Journal of Strategic Information Systems*, Vol. 14, No. 3, 2005, pp. 291-306.*

9. Takeishi, Akira and Takahiro Fujimoto, "Modularization in the Car Industry: Interlinked Multiple Hierarchies of Product, Production, and Supplier Systems." In Andrea Prencipe, Andrew Davis and Michael Hobday (eds.), *The Business of System Integration*. Oxford: Oxford University Press, 2003, pp. 254-278
10. Takeishi, Akira, "Knowledge Partitioning in the Inter-Firm Division of Labor: The Case of Automotive Product Development." *Organization Science*, Vol. 13, No. 3, 2002, pp.321-338. *
11. Takeishi, Akira and Takahiro Fujimoto, "Modularization in the Auto Industry: Inter-linked Multiple Hierarchies of Product, Production, and Supplier Systems." *International Journal of Automotive Technology and Management*, Vol. 1, No. 4, 2001, pp.379-396.
12. Takeishi, Akira, "Bridging Inter- and Intra-Firm Boundaries: Management of Supplier Involvement in Automobile Product Development." *Strategic Management Journal*, Vol. 22, No. 5, May 2001, pp.403-433.*
13. Fujimoto, Takahiro and Akira Takeishi, "Automobile Industry." In Japan Commission on Industrial Performance (ed.), *Made in Japan: Revitalizing Japanese Manufacturing for Economic Growth*. Cambridge, MA: The MIT Press, 1997, pp.71-95.
14. Fujimoto, Takahiro and Akira Takeishi, "An International Comparison of Productivity and Product Development Performance in the Auto Industry." In Ryoshin Minami, Kwan S. Kim, Fumio Makino and Joung-Hae Seo (eds.), *Acquiring, Adapting and Developing Technologies: Lessons from the Japanese Experience*. London: Macmillan Press, 1995, pp. 249-280.
15. Cusumano, Michael A. and Akira Takeishi, "A Comparative Analysis of Suppliers to Japanese and U.S. Auto Plants." In A. Negandhi, and M. Serapio, Jr. (eds.), *Research in International Business and International Relations*. CT: JAI Press, 1992, pp. 153-171.
16. Cusumano, Michael A. and Akira Takeishi, "Supplier Relations and Management: A Survey of Japanese, Japanese Transplants, and U.S. Auto Plants." *Strategic Management Journal*, Vol. 12, No. 8, November 1991, pp.563-588.*

■ **Publications in Japanese** (selected major works**)

17. Takeishi, Akira, Yaichi Aoshima and Masaru Karube, *Reasons for Innovation: Creating Legitimacy for Resource Mobilization*. Yuhikaku, 2012.
18. Takeishi, Akira, "Open Innovation: Mechanisms and Challenges for Success." *Hitotsubashi Business Review*, Vol. 60, No. 2, 2012, pp.16-26.
19. Aoshima, Yaichi, Akira Takeishi and Michael A. Cusumano (eds.), *End of "Made in Japan"?* Toyo Keizai Shimpou-sha, 2010.

20. Takeishi, Akira, Yaichi Aoshima and Masaru Karube, "Reasons for Innovation: Legitimizing Resource Mobilization for Innovation in the Cases of Okochi Memorial Prize Winners." *Organizational Science*, Vol. 42, No. 1, 2008, pp.4-14.
21. Takeishi, Akira, Yaichi Aoshima and Masaru Karube, "Reasons for Innovation: Legitimizing Resource Mobilization for Innovation in the Cases of Okochi Memorial Prize Winners." *Hitotsubashi Business Review*, Vol. 55, No. 4, 2008, pp.22-39.
22. Takeishi, Akira and Yaichi Aoshima, "A Product within a System: Architectural Innovation in Manufacturing Industry." *Organizational Science*, Vol. 40, No. 4, 2007, pp.29-39.
23. Zhu, Ying, Akira Takeishi and Seiichiro Yonekura, "The Timing of Technological Innovation: The Case of Automotive Emission Control in the 1970s." *Organizational Science*, Vol. 40, No. 3, 2007, pp.78-92.*
24. Takeishi, Akira, "Management of Knowledge in the Inter-firm Division of Labor." In Hiroyuki Itami, Takahiro Fujimoto, Tetsuji Okazaki, Hideshi Ito and Tsuyoshi Numagami (eds.), *Readings on the Japanese Firm as a System, II, Vol. 1 Organization and Coordination*. Yuhikaku, 2006, pp. 243-272.
25. Aoshima, Yaichi and Akira Takeishi, "Architecture as a Perspective." In Hiroyuki Itami, Takahiro Fujimoto, Tetsuji Okazaki, Hideshi Ito and Tsuyoshi Numagami (eds.), *Readings on the Japanese Firm as a System, II, Vol. 3 Strategy and Innovation*. Yuhikaku, 2006, pp. 206-240.
26. Takeishi, Akira and Kyoung Joo Lee, "Mobile Music Business in Japan and Korea." *Hitotsubashi Business Review*, Vol. 53, No. 3, 2005, pp.70-87.
27. Takeishi, Akira, "Music Business and Technological Innovation: Evolution as a Large Technological System." *Akamon Management Review*, Vol. 4, No. 7, 2005, pp.324-329.
28. Takeishi, Akira, "Digitalization and the Evolution of Music Business: Interactions of Technology, Business, and Music." *Hitotsubashi Business Review*, Vol. 52, No. 1, 2004. pp.78-94
29. Takeishi, Akira, *The Division of Labor and Competition*. Yuhikaku, 2003
30. Fujimoto, Takahiro and Akira Takeishi, "Heavy Assembly Industry (Automobile)." In Masanori Moritani (ed.), *The Industrial Systems in Japan and New Developments, IV, New Frontier of Machinery Industry*. NTT Shuppan, 2003, pp.71-119.
31. Hitotsubashi University Institute of Innovation Research (ed.) *Management Text: Introduction to Innovation Management*. Nihon Keizai Shinbun-sha, 2001.

32. Takeishi, Akira, "Roles and Management of Knowledge in the Inter-firm Division of Labor." In Hitotsubashi University Institute of Innovation Research (ed.), *Knowledge and Innovation*. Toyo Keizai Shimpou-sha, 2001, pp.135-158.
33. Fujimoto, Takahiro, Akira Takeishi and Yaichi Aoshima (eds.) *Business Architecture: Strategic Design of Products, Organizations, and Processes*. Yuhikaku, 2001.
34. Takeishi, Akira, "Research on the Automotive Supplier System: A Review and Future Prospects," *Journal of Social Science*, Vol. 52, No. 1, 2000, pp.25-50.
35. Fujimoto, Takahiro and Akira Takeishi, *The Automotive Industry: A Scenario toward the 21st Century*. Seisansei Shuppan, 1994.
36. Fujimoto, Takahiro, Shoichiro Sei and Akira Takeishi, "The Total Perspective and Multifaceted Nature of the Supplier System in the Japanese Auto Industry," *Research in Machinery Economy*, Vol. 24, 1994, pp.11-36.

**Full information on publications in Japanese is shown at <http://www.econ.kyoto-u.ac.jp/~takeishi/research.html>

■ Oral Presentations in English

1. "Rethinking the Japanese Inter-firm Relations," Korean Academy of Management Conference, Seoul National University, Seoul, Korea, October 2012.
2. "Reasons for Innovation: Creating Legitimacy for Resource Mobilization," International Symposium on Socially and Technically Symbiotic Systems, Okayama University, Okayama, August 31, 2012. (with Yaichi Aoshima)
3. "Determinants of Firm Boundaries: Empirical Analysis of the Japanese Auto Industry from 1984 to 2008," Kyoto University and Hosei University Joint International Workshop: The Boundary of the Firm and Collective Knowledge Management: Reprogramming Business Institutions for Open Innovation, Kyoto University, Kyoto, January 2012. (with Tatsuya Kikutani)
4. "Rethinking Keiretsu in the Japanese Auto Industry: Where Have Some (not all) Keiretsu Gone?" Paper Development Workshop for the Research Project "Management of Boundaries and Japanese Firms' Innovation" Kyoto University, Kyoto, Japan, November 2011. (with Tatsuya Kikutani)
5. "Determinants of Firm Boundaries: Empirical Analysis of the Japanese Auto Industry from 1984 to 2008," FRIDA Project Workshop: Moving Beyond Boundaries: Pursuing through Inter-firm Networking, Alma Graduate School, Bologna, Italy, November 2010. (with Tatsuya Kikutani)
6. "The Timing of Technological Innovation: The Case of Automotive Emission Control in the 1970s," The 17th GERPISA International Colloquium, La Sorbonne, Paris, France, June 2009.

7. "Reasons for Innovation: Legitimizing Resource Mobilization for Innovation in the Case of Okochi Memorial Prize Winners," Seminar at Graduate School of International Corporate Strategy, Hitotsubashi University, Tokyo, Japan, February 6, 2007.
8. "Boundaries of Innovation and Social Consensus Building: Challenge for Japanese Firms," International Conference on Dynamics of Knowledge, Corporate System and Innovation, Nagano, Japan, December 2007. (with Tsuyoshi Numagami)
9. "Reasons for Innovation: Legitimizing Resource Mobilization for Innovation in the Case of Okochi Memorial Prize Winners," International Conference on Dynamics of Knowledge, Corporate System and Innovation, Nagano, Japan, December 2007. (with Yaichi Aoshima and Masaru Karube)
10. "Firm Boundaries of Japanese OEMs from 1984 to 2002," The Korean Academy of Motor Industry, Seoul, Korea, October 2007.
11. "Determinants of Firm Boundaries: The Case of the Japanese Auto Industry," The 15th GERPISA International Colloquium, Paris, France, June 2007. (with Yoshihisa Noro)
12. "Determinants of Firm Boundaries: Empirical Analysis of the Japanese Auto Industry from 1984 to 2002," The 20th Annual TRIO (NBER-CEPR-TCER) Conference on Organizational Innovation and Firm Performance, Tokyo, December 2006. (with Sadao Nagaoka)
13. "The Timing of Technological Innovation: The Case of Automotive Emission Control in the 1970s," International Schumpeter Society 11th ISS Conference, Sophia-Antipolis, France, June 2006. (with Ying Zhu)
14. "Business Ecosystem and Reverse Salient: The Development of the Mobile Music Business in Japan and Korea," Helsinki Mobility Roundtable, Helsinki, Finland, June 2006. (with Kyoung Joo Lee)
15. "Structural Changes in the Japanese Supplier System," IMVP-MMRC Asia Pacific Forum, Tokyo, October 2005.
16. "Structural Changes in the Japanese Supplier System," IMVP-IPS Asia Pacific Forum, Seoul, October 2005.
17. "Structural Changes in the Japanese Supplier System," IMVP Researchers Meeting, Philadelphia, June 2005.
18. "Have Japanese Firms Really Revived? Preliminary Findings from "The End of Japan?" Project," International Conference of the Hitotsubashi COE Program on "Knowledge, Innovation and the Japanese Corporate System," Tokyo, March 2005. (with Yaichi Aoshima)

19. "The Japanese Auto Industry: Why Has It Remained Competitive?" "End of Japan?" Project Meeting, Hawaii, January 2005.
20. "Mobile Music Business in Japan and Korea: Copyright Management Institutions as a Reverse Salient," Austin Mobility Roundtable, Austin, March 2004. (with Kyoung Joo Lee)
21. "Competitiveness of the Japanese Auto Industry," "End of Japan?" Project Meeting, Hawaii, January 2004.
22. "Mobile Innovation and the Music Business in Japan: The Case of Ringing Tone Melody ("Chaku-Mero")," Stockholm Mobility Roundtable, Stockholm, May 2003. (with Kyoung Joo Lee)
23. "Toward Strategy-Based Lean Production System: The Past, Present, and Future of the Japanese Auto Industry," "End of Japan?" Project Meeting, Hawaii, January 2003.
24. "Moduralization and Outsourcing: Report on Japan," MIT International Motor Vehicle Annual Meeting, London, March 2001.
25. "Moduralization and Outsourcing: Report on Japan," MIT International Motor Vehicle Program Tokyo Forum, Tokyo, May 2000.
26. "Moduralization and Outsourcing: Report on Japan," CoKEAS Workshop, Bordeaux, France, March 2000.
27. "Moduralization and Outsourcing: Report on Japan," MIT International Motor Vehicle Annual Meeting, Cambridge, USA, October 1999.
28. "Internal Capabilities for Competitive Outsourcing," Symposium for Supply Chain Management and Information Technology at Vanderbilt University, Nashville, USA, October 1998.
29. "Bridging Inter- and Intra-Firm Boundaries: Management of Supplier Involvement in Automobile Product Development," Mitsubishi International Conference, Zushi, August 1998.

■ Awards

1. Nikkei Prize for Excellent Books in Economic Science, Nihon Keizai Shinbun-sha, 2012 for Takeishi, Akira, Yaichi Aoshima and Masaru Karube, *Reasons for Innovation: Creating Legitimacy for Resource Mobilization*. Yuhikaku, 2012.
2. DoCoMo Mobile Science Award, Mobile Communication Fund, 2005, for Takeishi, Akira and Kyoung Joo Lee, "Mobile Music Business in Japan and Korea: Copyright Management Institutions as a Reverse Salient." *Journal of Strategic Information Systems*, Vol. 14, No. 3, 2005, pp. 291-306, and related research on mobile innovation at the

Institute of Innovation Research, Hitotsubashi University.

3. Brooks Prize (Best Master's Thesis) for the 1989-1990 academic year, Sloan School of Management, Massachusetts Institute of Technology, 1991, for Takeishi, Akira "A Study of Supplier Relationships in the American and Japanese Automotive Industries." Unpublished Master's Thesis, M.I.T. Sloan School of Management, 1990.

■ Grants

1. Grant-in-Aid for Scientific Research (Scientific Research A), Japan Society for the Promotion of Science for "Japanese Inter-firm Division of Labor and Japanese Firms' Competitiveness," FY2012-2014. Project Leader.
2. Grant-in-Aid for Scientific Research (Scientific Research A), Japan Society for the Promotion of Science for "Management of Boundaries and Japanese Firms' Innovation," FY2009-2011. Project Leader.
3. Grant-in-Aid for Scientific Research (Scientific Research A), Japan Society for the Promotion of Science for "Interdisciplinary Studies on Innovation and Network: Theoretical and Empirical Approach, and Policy Recommendation," 2007. Project Leader.
4. The 21st Century Center of Excellence (CEO) Program at Hitotsubashi University, Ministry of Education, Science, Sports and Culture for "Dynamics of Knowledge, Corporate System and Innovation," FY2003-2007.
5. Grant-in-Aid for Scientific Research (Scientific Research A), Japan Society for the Promotion of Science for "The Research on the Future Perspective and International Comparison of Automotive Production System Evolution and Innovation," FY1999-2008.
6. Grant-in-Aid for Scientific Research (Scientific Research A2), Japan Society for the Promotion of Science for "End of Japan? Competitiveness of Japanese Firms and Industries and their Challenges for Revival," FY2003-2005.
7. Grant-in-Aid for Scientific Research (Special Purposes), Japan Society for the Promotion of Science for "Social Sciences and Innovation," FY2000-2002.
8. Grant-in-Aid for Scientific Research (Scientific Research B2), Japan Society for the Promotion of Science for "International Study on New Inter-firm Systems," FY1999-2001.
9. Fellowship and Research Grant, International Motor Vehicle Program, Massachusetts Institute of Technology, 1994-2000.

■ Academic Organization Membership, Editor, Referee Activities

Academic Organization Membership

Academic Association of Organizational Science (Director 2009-2013); Japan Association for

Evolutionary Economics

Editor

Hitotsubashi Business Review; International Journal of Automotive Technology and Management, Kyoto Economic Review; Organizational Science (Chief Editor 2009-2013)

Referee Activities

Hitotsubashi Business Review; Hitotsubashi Shogaku Ronso; IEEE Transactions on Engineering Management; Journal of Business Management; Journal of Operations Management; Journal of Strategic Information Systems; Journal of the Japanese and International Economics; Keizai Ronso; The Kyoto Economic Review; Management Science; Organizational Science; Research Policy; Sloan Management Review; Strategic Management Journal.