



HARVARD | BUSINESS | SCHOOL

STEFAN H. THOMKE |

WILLIAM BARCLAY HARDING PROFESSOR OF BUSINESS ADMINISTRATION

Curriculum Vitae

August 2017

STEFAN H. THOMKE

CURRENT POSITION

William Barclay Harding Professor of Business Administration.

FIELDS OF INTEREST AND EXPERTISE

Management of Innovation, R&D, and Technology.
Management of Product and Service Design and Development.
Operations and Manufacturing Management.

EDUCATION

- | | |
|-------------|---|
| 1990 - 1995 | Doctor of Philosophy (Ph.D.) in Electrical Engineering & Management.
<i>Massachusetts Institute of Technology (Cambridge, Massachusetts).</i>

Doctoral Thesis: <i>The Economics of Experimentation in the Design of New Products and Processes</i> . Research advisor: Professor Eric von Hippel. |
| 2015 | Honorary Doctor (Dr. rer. oec. h.c.) in Economics.
<i>HHL Leipzig Graduate School of Management (Leipzig, Germany).</i> |
| 2003 | Honorary Master of Arts (A.M.).
<i>Harvard University (Cambridge, Massachusetts).</i> |
| 1992 - 1993 | Master of Science (S.M.) in Management (MBA Equivalent).
<i>MIT Sloan School of Management (Cambridge, Massachusetts).</i> |
| 1990 - 1993 | Master of Science (S.M.) in Operations Research.
<i>Massachusetts Institute of Technology (Cambridge, Massachusetts).</i> |
| 1988 - 1990 | Master of Science (M.S.) in Electrical Engineering.
<i>Arizona State University (Tempe, Arizona).</i> |
| 1984 - 1988 | Bachelor of Science (B.S.) in Electrical Engineering, <i>Special Distinction</i> .
<i>University of Oklahoma (Norman, Oklahoma).</i> |
| 1981 - 1984 | Allgemeine Hochschulreife (Abitur), <i>Distinction</i> .
<i>Technisches Gymnasium (Calw, Germany).</i> |

ACADEMIC APPOINTMENTS

- 2006 – present William Barclay Harding Professor of Business Administration.
Harvard University, Graduate School of Business Administration.
- 2004 – present Professor (Tenured), Technology and Operations Management.
Harvard University, Graduate School of Business Administration.
- 2004 – 2009 Faculty Member, *Harvard University, Faculty of Arts and Sciences.*
- 2000 – 2004 Associate Professor, Technology and Operations Management.
Harvard University, Graduate School of Business Administration.
- 1995 – 2000 Assistant Professor, Technology and Operations Management.
Harvard University, Graduate School of Business Administration.
- 1992 - 1994 Teaching and Research Assistant, Technology and Innovation.
MIT Sloan School of Management.
- 1990 - 1992 Research Assistant, Microsystems Technology Laboratory and
Laboratory for Manufacturing and Productivity.
Massachusetts Institute of Technology.
- 1988 - 1990 Teaching Assistant, Electrical and Computer Engineering.
Arizona State University.

HARVARD UNIVERSITY LEADERSHIP & ADMINISTRATIVE RESPONSIBILITIES

- 2015-present Board Member, HBS Publishing India.
- 2012-present Faculty Co-Chair, Global Initiative, South Asia.
- 2011 – 2017 Faculty Chair, HBS Executive Education India.
- 2006 - 2010 Faculty Chair, MBA Program Required Curriculum.
- 2006 - 2010 Curriculum and Calendar Committee (MBA Program).
- 2004 - 2009 Co-Faculty Chair, Ph.D. Program in *Science, Technology and Management* (Doctoral Program Between Harvard Business School and Harvard's School of Engineering & Applied Sciences).
- 2002 - 2010 Standing Committee on Higher Degrees in Business Studies:
Subcommittee on the Degree of Doctor of Philosophy in Science, Technology and Management.
- 2004 - 2008 Doctoral Policy Committee.

2006 - 2007	MBA Program Review Committee.
2003 - 2007	Faculty Chair of Section C, MBA Class of 2005; Section H, MBA Class of 2006; and Section D, MBA Class of 2007.
2005 - 2006	HBS Global Initiative, Faculty Working Group.
2004	Member, HBS India Research Center Faculty Committee.
1996 - 2000	Member, HBS Academic Performance Committee.
1997	Member, HBS Global Initiative Task Force.

BUSINESS EXPERIENCE

1993, 1995	<i>McKinsey & Company (Stuttgart and Köln, Germany).</i> Management Consultant.
1989, 1990	<i>Institute for Microelectronics (Stuttgart, Germany).</i> Engineering Summer Intern, Integrated Circuit Fabrication.
1985, 1986, 1987	<i>Hewlett-Packard (Böblingen, Germany).</i> Engineering Summer Intern, Medical Division.

TEACHING EXPERIENCE

Harvard MBA Program Courses

2010	<i>Managing Innovation.</i> Elective Course, Second Year MBA Program.
2009	<i>Managing Product and Service Innovation.</i> Elective Course, Second Year MBA Program.
2003 – 2006 1995 – 1997	<i>Technology and Operations Management.</i> Required Course, First Year MBA Program.
1997 - 2003	<i>Managing Product Development.</i> Elective Course, Second Year MBA Program.
1996 – present	<i>MBA Student Field Studies and Research Projects.</i> Elective Course, Second Year MBA Program.

Harvard Executive Education – Open Enrollment Programs

2011 - present	<i>General Management Program (Boston).</i> Core Faculty, Innovation and Operations Management.
2017 - present	<i>Senior Executive Leadership Program (Mumbai).</i> Core Faculty, Innovation and Operations Management.

- 2009 – present *Leading Product Innovation* (Boston).
Faculty Chair and Core Faculty.
- 2012– present *Senior Executive Program for China* (Boston).
- 2015– present *Global CEO for China Program* (Boston).
- 2012 – 2016 *Driving Growth Through Innovation* (Mumbai).
Faculty Chair and Core Faculty.
- 2013– 2015 *Managing Health Care Delivery* (Boston).
- 2015 *Leadership Best Practices* (Boston).
- 2004, 2011, 2013 *Breakthrough Insights for Alumni* (Boston).
- 2011 *Advanced Management Program* (Boston).
Core Faculty for Leading Innovation course.
- 2010, 2011 *Building Global Enterprises in India* (Mumbai).
Core Faculty.
- 2008 *Leading Product Development* (Boston).
1997 - 2005 Faculty Chair (2000-2004, 2007-2008) and Core Faculty.
- 2005 *Leading Innovation and Creativity* (Buenos Aires).
- 2002 - 2004 *Marketing Innovative Technologies* (Boston).
- 1998 - 2000 *Program for Global Leadership* (Singapore, Boston).
Core Faculty (1998-1999), Guest Faculty (2000).
- 1996 *Implementing Strategic Change Through Operations* (Buenos Aires).

Harvard Executive Education – Custom Company Programs

- 2011-present Mitsui, *Global Management Academy* (Boston).
- 2015-present CTO Forum, *Rethink Strategy and Innovation* (Boston). Faculty Chair.
- 2015-present Plateno Hotels Group, *Leadership Program* (Boston).
- 2016 Argos *Global Management Program* (Boston).
- 2015, 2016 Fannie Mae, *Executive Development Program* (Boston).
- 2015 YPO/WPO , *Spouse/Partner Program* (Boston).
- 2014 VW Group China, *Leadership Program* (Boston).

- 2013 PUIG, *Essentials of Global Leadership* (Boston).
- 2013 CSX, *Executive Development Program* (Boston).
- 2013 Novo Nordisk, *Strategic Leadership Program for Mgmt. Board* (Boston).
- 2012 Capital Airport Holdings Company China, *Executive Leadership Program* (Boston).
- 2012 HBS/YPO, *Presidents' Seminar* (Boston).
- 2010, 2015 AB InBev, *Executive Leadership Program* (Boston). Faculty Chair.
- 2010, 2011 Stryker, *Executive Leadership Program* (Boston). Faculty Co-Chair.
- 2010 Mars, *Leading in Unprecedented Times* (Boston).
- 2010-2012 AREVA, *Senior Executive Program* (Boston).
- 2010, 2012 Samsung North America, *Senior Executive Program* (Boston).
- 2009 Allianz Global Investors, *Senior Executive Program* (Boston).
- 2008, 2009, 2012 Enel, *Executive Leadership Program* (Boston).
- 2006-2008 Royal Bank of Scotland, *Executive and Senior Management Leadership Programs on Innovation Driving Profitable Growth* (Edinburgh). Faculty Chair.
- 2001-2008 Michelin, *Senior Executive Program* (Boston).
- 2007, 2010 ThyssenKrupp, *Executive Leadership Program on Breaking New Grounds* (Boston).
- 2007 IBM, *Executive Leadership Program on Advanced Organizational Change Strategy* (Boston).
- 2007, 2011 Mahindra & Mahindra, *Executive Leadership Program* (Boston).
- 2005-2007 Stryker, *Advanced Leadership Academy Program* (Boston). Faculty Co-Chair.
- 2006 Samsung Group, *Advanced Management Program* (Seoul).
- 2004-2006 Consultative Group on International Agricultural Research (CGIAR), *Senior Leadership Program* (Boston).

2005, 2009, 2010	Bertelsmann Direct Group, <i>Innovation through Customer Insights</i> (Boston).
1999-2003	Pfizer, <i>Program on Leadership Development</i> (Boston).
2002	DaimlerChrysler, <i>Managing Global Opportunities</i> (Berlin).
1999	Delco Remy, <i>Strategic Forum for Senior Leadership</i> (Boston).
1998	Novartis, <i>Creating and Sustaining the High Performance Organization</i> (Boston).
1996-1997	Johnson & Johnson, <i>Superior New Product Development</i> (Boston).

Executive Education – Other Programs, Courses, and Workshops

2008-present	<i>Advanced Management Program</i> (AMP). Nomura School of Advanced Management (Tokyo), Core Faculty.
Since 1997	Custom Innovation Courses & Workshops (>50) for Senior Executives and Middle Managers in Austria, Argentina, Canada, Finland, Germany, India, Japan, South Korea, Malaysia, Mexico, Poland, Singapore, United Arab Emirates, United Kingdom, and the United States.

PROFESSIONAL ACTIVITIES

Editor	<i>Research Policy</i> (2003-2008); one of the leading international journals devoted to the policy and management problems posed by innovation, R&D, technology and science.
Advisory Editor	<i>Research Policy</i> (2009-present)
Associate Editor	<i>Management Science</i> , <i>Production and Operations Management Journal</i> (<i>Management of Technology Department</i> , <i>Innovation and Product Development Department</i> , and <i>Special Issue on Product Development</i>).
Editorial Boards	<i>Journal für Betriebswirtschaft</i> , <i>Journal of Product Innovation Management</i> , <i>Journal of Engineering and Technology Management</i> , <i>Service Science</i> .
Academic Referee	<i>California Management Review</i> ; <i>Decision Sciences</i> ; <i>Harvard Business School Press</i> ; <i>Journal of Product Innovation Management</i> ; <i>Management Science</i> ; <i>Research Policy</i> ; <i>R&D Management</i> ; <i>Operations Research</i> ; <i>Science, Technology, & Human Values</i> ; <i>Sloan Management Review</i> and <i>Strategic Management Journal</i> .
Company Boards	Board of Directors, <i>Nemak S.A.B. de C.V.</i> (Mexico), Technology Advisory Panel, <i>Keppel Corporation</i> (Singapore), and Board of Directors of several US and European start-ups companies.

Council/Advisor *World Economic Forum (Council on Geography of Technology Innovation), Business Innovation Factory (State of Rhode Island Economic Development Corporation).*

AWARDS

2015 Finalist, McKinsey Award for Best Article in *Harvard Business Review* 2014.
 2013 Winner, European Case Clearing House (ecch) Case Award.
 2012 Harvard Business School *Apgar Award* for Innovation in Teaching.
 2001 Shingo Prize for Manufacturing Research Excellence.
 1994 First Prize, Product Development & Management Association's (PDMA) International Dissertation Competition.
 1993 Lemelson-MIT Doctoral Fellowship for Invention and Innovation Research.
 1988 Graduated Special Distinction in Electrical Engineering.
 1985 Dr. Jost Henkel Foundation Fellowship.

PUBLICATIONS

Theses

Stefan Thomke, *The Economics of Experimentation in the Design of New Products and Processes*, Doctoral Dissertation, Electrical Engineering and Management, Massachusetts Institute of Technology, December 1994.

Stefan Thomke, *Multivariate Quality Control of Flexible Manufacturing Processes*, Master's Thesis, Management and Operations Research, Massachusetts Institute of Technology, September 1992.

Stefan Thomke, *Parameter Prediction and Visualization To Aid the Decision-Making Process in an Automated Fabrication Environment*, Master's Thesis, Electrical and Computer Engineering, Arizona State University, May 1990.

Books

Stefan Thomke, *Managing Product and Service Development: Text and Cases*, McGraw-Hill Irwin (2006).

Stefan Thomke, *Instructor's Manual for Managing Product and Service Development: Text and Cases*, McGraw-Hill Irwin (2006).

Stefan Thomke, *Experimentation Matters: Unlocking the Potential of New Technologies for Innovation*, Harvard Business School Press (2003).

Refereed Journal Articles¹

¹ Sorted by date of publication.

Philipp Spethmann, Cornelius Herstatt and **Stefan Thomke**, "Crash Simulation Evolution and Its Impact on R&D in Automotive Applications," *International Journal of Product Development*, vol. 8, no. 3 (2009): 291-305.

Stefan Thomke, "Capturing the Real Value of Innovation Tools", *MIT Sloan Management Review* 47, no. 2 (Winter 2006).

Fiona Lee, Amy Edmondson, **Stefan Thomke** and Monica Worline, "The Mixed Effects of Inconsistency on Experimentation in Organizations," *Organization Science*, vol. 15, no. 3 (May-June 2004): 310-326.

Stefan Thomke and Walter Kuemmerle, "Asset Accumulation, Interdependence and Technological Change: Evidence from Pharmaceutical Drug Discovery." *Strategic Management Journal*, vol. 23, no. 7 (July 2002): 619-635.

Christoph Loch, Christian Terwiesch and **Stefan Thomke**, "Parallel and Sequential Testing of Design Alternatives," *Management Science* 47, 5 (May 2001): 663-678.

Stefan Thomke and David Bell, "Sequential Testing in Product Development", *Management Science* 47, 2 (February 2001): 308-323.

Stefan Thomke and Takahiro Fujimoto, "The Effect of 'Front-Loading' Problem-Solving on Product Development Performance," *Journal of Product Innovation Management*, vol. 17, no. 2 (March 2000): 128-142.

➤ Winner of 2000-2001 Shingo Prize for Manufacturing Research Excellence.

Stefan Thomke and Don Reinertsen, "Agile Product Development: Managing Development Flexibility in Uncertain Environments," *California Management Review* vol. 41, no.1 (Fall 1998): 8-30.

- Selected for translation and publication in Germany as "Agile Produktentwickler brauchen keine Marktprognosen," *Harvard Business Manager* (May 99): 31-43.
- Selected for publication in *Engineering Management Review* (vol. 28, no. 1, 2000) in a special issue on *Strategy and New Product Design*.

Stefan Thomke, "Managing Experimentation in the Design of New Products," *Management Science* 44, 6 (June 1998): 743-762.

Stefan Thomke, Eric von Hippel and Roland Franke, "Modes of Experimentation: An Innovation Process – and Competitive – Variable," *Research Policy* vol. 27 (1998): 315-332.

Stefan Thomke, "Simulation, Learning and R&D Performance: Evidence from Automotive Development," *Research Policy* vol. 27 no. 1 (1998): 55-74.

Stefan Thomke, "The Role of Flexibility in the Development of New Products: An Empirical Study," *Research Policy* 26 (1997): 105-119.

- Selected for translation and publication in Portugal as "O papel da flexibilidade no desenvolvimento de novos produtos: Um estudo empirico," *Comportamento Organizacional E Gestao* (October 1998): 135-157.

Stefan Thomke and Bernd Mittmann, "SPC bei mehreren Ausgangsgrößen (Statistical Process Control of Multiple Outputs)," *Qualität und Zuverlässigkeit*, 37 (September 1992).

Invited Journal Articles

Ron Kohavi and **Stefan Thomke**, "The Surprising Power of Online Experiments," *Harvard Business Review* (September-October, 2017).

Stefan Thomke, "High Tech Tools Won't Automatically Improve Your Operations," *Harvard Business Review Online* (June 2015).

Stefan Thomke and Jim Manzi, "The Discipline of Business Experimentation," *Harvard Business Review* (December 2014). Finalist, HBR McKinsey Award.

- Selected for translation and publication in Germany as "Versuch macht klug," *Harvard Business Manager* (March 2015).

Stefan Thomke and Jason Randal, "The Magic of Innovation," *European Business Review* (May-June 2014).

Stefan Thomke, "Unlocking Innovation Through Business Experimentation," *European Business Review* (March-April 2013).

Stefan Thomke, "Mumbai's Models of Service Excellence," *Harvard Business Review* (November 2012): 121-126.

- Selected for translation and publication in Germany as "Service à la Mumbai," *Harvard Business Manager* (January 2013).

Stefan Thomke and Don Reinertsen, "Six Myths of Product Development," *Harvard Business Review* (May 2012): 84-94.

- Selected for translation and publication in Germany as "Die sechs Mythen der Produktentwicklung," *Harvard Business Manager* (June 2012).

Stefan Thomke, "R&D Comes to Services: Bank of America's Pathbreaking Experiments," *Harvard Business Review* (April 2003): 70-79.

- Selected for translation and publication in Germany as "Dienstleistung: Innovationen für den Service," *Harvard Business Manager* (July 2003).

Stefan Thomke and Eric von Hippel, "Customers as Innovators: A New Way to Create Value," *Harvard Business Review* (April 2002): 74-81.

- Selected for translation and publication in Germany as "Kunden zu Erfindern machen," *Harvard Business Manager* (July 2002): 51-61.

Stefan Thomke, "Managing Digital Design at BMW," *Design Management Journal* 12, 2 (Spring 2001): 20-28.

Stefan Thomke, "Enlightened Experimentation: The New Imperative for Innovation," *Harvard Business Review* (February 2001): 66-75.

- Lead article in Feb. 2001 issue and HBR reprint bestseller during fall 2001.

- Selected for publication in *Harvard Business Review on Innovation*. Boston, MA: Harvard Business School Press (2001).

Eric von Hippel, **Stefan Thomke** and Mary Sonnack, "Creating Breakthroughs at 3M," *Harvard Business Review* (September-October 1999): 47-57.

- Selected for publication in *Health Forum Journal* (July/August 2000) in an issue on health care R&D.
- Selected for publication in *Harvard Business Review on Innovation*. Boston, MA: Harvard Business School Press (2001).

Stefan Thomke, Michael Holzner and Touraj Gholami, "The Crash in the Machine," *Scientific American* (March 1999): 72-77.

- Selected for translation and publication in the following foreign journals: *Investigación y Ciencia* (Spain, May 1999), *Ke Xue* (China, June 1999), *Le Scienze* (Italy, May 1999), *Nikkei Science* (Japan, June 1999), *Scientific American Hellas SA* (Greece, April 1999), *Spektrum der Wissenschaft* (Germany, September 1999), and *Swiat Nauki* (Poland, May 1999).

Book Chapters

Stefan Thomke, "The Innovators' Tools," in Karim Lakhani and Dietmar Harhoff, *Revolutionizing Innovation*, MIT Press (2016).

Stefan Thomke, "Accelerating Learning by Experimentation," in Oliver Gassmann and Fiona Schweitzer, *Management of the Fuzzy Front End of Innovation*, Springer (2013).

Stefan Thomke, "Learning by Experimentation: Prototyping and Testing," in Christoph Loch and Stylianos Kavadias, *Handbook of New Product Development Management*, Oxford: Butterworth-Heinemann (2008).

Stefan Thomke, "Innovation, Experimentation, and Technological Change," in Brian Kahin and Dominique Foray, *Advancing Knowledge and the Knowledge Economy*, Cambridge: MIT Press (2006).

Stefan Thomke, "Experimentation Strategies and Technological Change," in Soenke Albers and Oliver Gassmann, *Handbuch Technologie- und Innovationsmanagement*, Wiesbaden: Gabler Verlag (2005).

Stefan Thomke, "Die Kunst des Experimentierens: vom Fehler zur Innovation," in Thomas Ganswindt (Editor), *Innovationen: Versprechen für die Zukunft*. Hamburg: Hoffmann und Campe (2004).

Fiona Lee, Arran Caza, Amy Edmondson and **Stefan Thomke**, "New Knowledge Creation in Organizations," in Kim Cameron, Jane Dutton, Robert Quinn, *Positive Organizational Scholarship*, San Francisco: Berrett-Koehler Publishers (September 2003).

Stefan Thomke, "The Impact of Technology on Knowledge Creation: A Study of Experimentation in Integrated Circuit Design," in Nonaka, Ikujiro and Toshihiro Nishiguchi *Knowledge Emergence: Social, Technical, and Evolutionary Dimensions*. New York: Oxford University Press (September 2000).

Stefan Thomke and Don Reinertsen, "Flexible Product Development," in Richard Dorf (editor) *Technology Management Handbook CRCnetBASE*, CRC Press: Boca Raton (October 1999).

Stefan Thomke, "The Changing Economics of Problem-Solving: Some Implications for Innovation and Competitiveness," in Nick Franke and Christoph-Friedrich von Braun (Editors), *Innovationsforschung und Technologiemanagement*. Berlin: Springer Verlag (1998).

PUBLISHED TEACHING MATERIAL

Teaching Cases²

Stefan Thomke and Daniela Beyersdorfer, "A. Lange & Söhne," *Harvard Business School Case No. 617-058* (2017).

Stefan Thomke, "Designing Transformational Customer Experiences," *Harvard Business School Case No. 617-051* (2017).

Stefan Thomke, Nikolaos Trichakis, Jerome Lenhardt, and Daniela Beyersdorfer, "Lotus F1 Team," *Harvard Business School Case No. 616-055* (2016, Revised 2017).

Jan Rivkin, **Stefan Thomke** and Daniela Beyersdorfer, "LEGO (A): The Crisis," *Harvard Business School Case No. 713-478* (2013).

Jan Rivkin, **Stefan Thomke** and Daniela Beyersdorfer, "LEGO," *Harvard Business School Case No. 613-004* (2012).

Stefan Thomke and Jason Randal, "Innovation Magic," *Harvard Business School Note No. 612-099* (2012).

Stefan Thomke and Daniela Beyersdorfer, "Dassault Systemes," *Harvard Business School Case No. 610-080* (2010).

Stefan Thomke and Mona Srivastava, "The Dabbawala System: On-Time Delivery, Every Time," *Harvard Business School Case No. 610-059* (2010, Revised 2013).

Stefan Thomke and Barbara Feinberg, "Design Thinking and Innovation at Apple," *Harvard Business School Case No. 609-066* (2009, Revised 2012).

Stefan Thomke and Briana Doerr Luthra, "Innovation at Mahindra & Mahindra (A)," *Harvard Business School Case No. 609-065* (2009).

Stefan Thomke and Briana Doerr Luthra, "Innovation at Mahindra & Mahindra (B)," *Harvard Business School Case No. 609-067* (2009).

² Sorted by date of first publication. In addition to MBA and Executive Courses at Harvard Business School, most of the listed cases have been taught in leading business schools around the world.

Stefan Thomke and Briana Doerr Luthra, "Innovation at Mahindra & Mahindra (C)," *Harvard Business School Case No. 609-068* (2009).

Stefan Thomke and Ashok Nimgade, "Pfizer Inc: Building an Innovation Center," *Harvard Business School Case No. 609-037* (2008).

Stefan Thomke and Ashok Nimgade, "Bank of America (A)," *Harvard Business School Case No. 603-022* (2002).

Stefan Thomke and Ashok Nimgade, "Bank of America (B)," *Harvard Business School Case No. 603-023* (2002).

Stefan Thomke and Ashok Nimgade, "Millennium Pharmaceuticals, Inc. (B)," *Harvard Business School Case No. 602-063* (2001).

Stefan Thomke and Ashok Nimgade, "Siemens AG: Global Development Strategy (A)," *Harvard Business School Case No. 602-061* (2001).

➤ Selected for publication in C.A. Bartlett and P.W. Beamish, *Transnational Management: Text, Readings, and Cases in Cross Border Management*. Burr Ridge, IL: Irwin McGraw-Hill, 2011.

Stefan Thomke and Ashok Nimgade, "Siemens AG: Global Development Strategy (B)," *Harvard Business School Case No. 602-062* (2001).

Stefan Thomke and Ashok Nimgade, "Bush Boake Allen," *Harvard Business School Case No. 601-061* (2000, Revised 2010).

Stefan Thomke, "Developing Products on Internet Time: A Process Design Exercise," *Harvard Business School Case No. 600-121* (2000).

Stefan Thomke and Ashok Nimgade, "IDEO Product Development," *Harvard Business School Case No. 600-143* (2000).

➤ Harvard Business School case bestseller.

Steven Sinofsky and **Stefan Thomke**, "Learning from Projects: Note on Conducting a Postmortem Analysis," *Harvard Business School Case No. 600-021* (1999).

Stefan Thomke and Ashok Nimgade, "Millennium Pharmaceuticals, Inc. (A)," *Harvard Business School Case No. 600-038* (1999).

➤ Selected for publication in *Inside Biotechnology and Pharmaceuticals (From the Field Series)*. Boston, MA: Harvard Business School Publishing, 2000.

Stefan Thomke and Andrew Robertson, "Project Dreamcast: Serious Play at Sega Enterprises Ltd. (A)," *Harvard Business School Case No. 600-028* (1999).

Stefan Thomke and Andrew Robertson, "Project Dreamcast: Serious Play at Sega Enterprises Ltd. (B)," *Harvard Business School Case No. 600-029* (1999).

Stefan Thomke and Ashok Nimgade, "BMW AG: The Digital Car Project (A)," *Harvard Business School Case No. 699-044* (1998).

- Selected for publication in R. Burgelman, M. Maidique, and S. Wheelwright, *Strategic Management of Technology and Innovation*. New York: McGraw-Hill, 2001.

Stefan Thomke and Ashok Nimgade, "BMW AG: The Digital Car Project (B)," *Harvard Business School Case No. 699-045* (1998).

Stefan Thomke and Ashok Nimgade, "Innovation at 3M Corporation (A)," *Harvard Business School Case No. 699-012* (1998).

- Selected for publication in R. Burgelman, M. Maidique, and S. Wheelwright, *Strategic Management of Technology and Innovation*. New York: McGraw-Hill, 2001.
- Harvard Business School case bestseller.

Stefan Thomke and Ashok Nimgade, "Innovation at 3M Corporation (B)," *Harvard Business School Case No. 699-013* (1998).

Sinofsky, Steven and **Stefan Thomke**, "Microsoft Office: Finding the Suite Spot," *Harvard Business School Case No. 699-046* (1998).

Stefan Thomke and Ashok Nimgade, "Note on Lead User Research," *Harvard Business School Note No. 699-014* (1998).

- Selected for publication in R. Burgelman, M. Maidique, and S. Wheelwright, *Strategic Management of Technology and Innovation*. New York: McGraw-Hill, 2001.
- Selected for publication in *New Product Development, Business Fundamentals Series*. Boston, MA: Harvard Business School Publishing, 1999.

Stefan Thomke, Vish Krishnan and Ashok Nimgade, "Product Development at Dell Computer Corporation," *Harvard Business School Case No. 699-010* (1998).

- Selected for publication in R. Burgelman, M. Maidique, and S. Wheelwright, *Strategic Management of Technology and Innovation*. New York: McGraw-Hill, 2001.
- Harvard Business School case bestseller.

Stefan Thomke, Ashok Nimgade, and Paul Pospisil, "Eli Lilly and Company: Drug Development Strategy (A)," *Harvard Business School Case No. 698-010* (1997).

- Selected for publication in R. Burgelman, M. Maidique, and S. Wheelwright, *Strategic Management of Technology and Innovation*. New York: McGraw-Hill, 2001.

Stefan Thomke and Ashok Nimgade, "Eli Lilly and Company: Drug Development Strategy (B)," *Harvard Business School Case No. 698-026* (1997).

Stefan Thomke and Ashok Nimgade, "Note on New Drug Development in the United States," *Harvard Business School Note No. 698-028* (1997).

- Selected for publication in R. Burgelman, M. Maidique, and S. Wheelwright, *Strategic Management of Technology and Innovation*. New York: McGraw-Hill, 2001.

Sensiper, Sylvia and **Stefan Thomke**, "Manufacturing the BMW Z3 Roadster: A Virtual Factory Tour," *Harvard Business School Note No. 697-069* (1996).

Stefan Thomke and Paul Pospisil, "Stocko Singapore Pte Ltd," *Harvard Business School Case* No. 697-059 (1996).

Teaching, Module and Course Overview Notes

Stefan Thomke, "Designing Transformational Customer Experiences," *Harvard Business School Teaching Note* No. 618-014 (2017).

Jan Rivkin and **Stefan Thomke**, "LEGO (A): The Crisis," *Harvard Business School Teaching Note* No. 714-464 (2014).

Stefan Thomke and Jan Rivkin, "LEGO," *Harvard Business School Teaching Note* No. 614-008 (2013).

Stefan Thomke, "The Dabbawala System: On-Time Delivery, Every Time," *Harvard Business School Teaching Note* No. 613-062 (2012).

Stefan Thomke, "Design Thinking and Innovation at Apple," *Harvard Business School Teaching Note* No. 610-105 (2010).

Stefan Thomke, "Bank of America (A) and (B)," *Harvard Business School Teaching Note* No. 603-086 (2003).

Stefan Thomke, "Developing Products on Internet Time: A Process Design Exercise," *Harvard Business School Teaching Note* No. 603-087 (2003).

Stefan Thomke, "Managing Product Development: Course Overview Note for Instructors," *Harvard Business School Note* No. 603-088 (2003).

Stefan Thomke, "Module Overview Note: Building Capabilities for Experimentation, Learning and Prototyping," *Harvard Business School Note* No. 603-089 (2003).

Stefan Thomke, "Module Overview Note: Product Development Process Design and Improvement," *Harvard Business School Note* No. 603-090 (2003).

Stefan Thomke, "Module Overview Note: Managing Development Networks," *Harvard Business School Note* No. 603-091 (2003).

Stefan Thomke, "Project Dreamcast: Serious Play at Sega Enterprises Ltd. (A) and (B)," *Harvard Business School Teaching Note* No. 603-085 (2003).

Stefan Thomke, "BMW AG: The Digital Auto Project (A) and (B)," *Harvard Business School Teaching Note* No. 603-117 (2003).

Stefan Thomke, "Bush Boake Allen," *Harvard Business School Teaching Note* No. 603-115 (2003).

Stefan Thomke, "Millennium Pharmaceuticals (A) and (B)," *Harvard Business School Teaching Note* No. 603-106 (2002).

Stefan Thomke, "Siemens AG: Global Development Strategy (A) and (B)," *Harvard Business School Teaching Note* No. 603-009 (2002).

Stefan Thomke, "IDEO Product Development," *Harvard Business School Teaching Note* No. 602-060 (2001).

Stefan Thomke and Ashok Nimgade, "Innovation at 3M Corporation (A) and (B)," *Harvard Business School Teaching Note* No. 699-135 (1999).

Stefan Thomke and Ashok Nimgade, "Microsoft Office: Finding the Suite Spot," *Harvard Business School Teaching Note* No. 699-136 (1999).

Stefan Thomke, "Module Overview Note: Managing Experimentation" *Harvard Business School Note* No. 699-138 (1999).

Stefan Thomke and Ashok Nimgade, "Product Development at Dell Computer Corporation," *Harvard Business School Teaching Note* No. 699-134 (1999).

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Stefan Thomke, "Design for Manufacturing: An Exercise," *Harvard Business School Teaching Note* No. 696-072 (1996).

Published Video Materials

Stefan Thomke, "Experimentation Matters: New Opportunities for Innovation," *Harvard-Stanford Faculty Seminar Series*, Harvard Business School Publishing No. 3706C; also available through the American Banking and Financial Leadership Institute (2006).

Stefan Thomke, "BMW AG: The Digital Car Project—An Interview with Chris Bangle, Head of Worldwide Design," *Harvard Business School Video Case* No. 602-802 (2001).

PRESENTATIONS

Over the last twenty years, I have given more than one hundred presentations at conferences, workshops, and universities in North and South America, Europe, and Asia. They range from research presentations to keynote speeches. Most presentations focused on innovation and R&D management.

OTHER SPEAKING OPPORTUNITIES

- Radio and television appearances (Bloomberg TV, NPR, It's Your Money, Small Business Show, WMC-AM Memphis, KYW Philadelphia, CNBC Asia, etc.).
- Interviewed by national and international press (*Business Week*, *Economic Times*, *Financial Times*, *Forbes*, *The Economist*, *Fast Forward*, *New York Times*, *HR.com*, *National Geographic Magazine*, *U.S. News & World Report*, etc.).

PROFESSIONAL MEMBERSHIPS

Academy of Management.

American Association for the Advancement of Science (AAAS).

American Society of Mechanical Engineers (ASME).

Eta Kappa Nu (Honor Society for Electrical Engineers).

Institute for Electrical and Electronic Engineers (IEEE).

Institute for Operations Research and Management Sciences (INFORMS).

Tau Beta Pi (Honor Society for Engineers).

CONSULTING

I have worked with many large, medium and entrepreneurial companies in the United States, Europe and Asia in a diverse set of industries and functions but with a primary focus on *innovation and R&D management*. My background and experience has enabled me to work closely with company CEOs, senior management and project teams in manufacturing and service settings.

Industry experience: semiconductor & discrete electronics; electrical engineering; energy; consumer goods; IT & design tools medical devices, instrumentation and in-vitro diagnostics; pharmaceuticals; material and crop science; automotive supplier & manufacturing; high complexity materials components; financial services/investment banking; etc.

Consulting work: teaching (custom executive programs); innovation workshops; keynote speeches; top management advisor; productivity and quality improvement in R&D and manufacturing; business plan development related to private equity and initial public offerings; benchmarking, restructuring & long-term organizational change programs.

Board experience: Management & scientific advisory boards.

References are available upon request.