

Curriculum Vitae

Daniel A. Levinthal

Department of Management, The Wharton School
2000 Steinberg-Dietrich Hall
University of Pennsylvania
Philadelphia, PA 19104-6370

Education

- 1985 Ph. D., Economics, Business, and Public Policy
Graduate School of Business, Stanford University
- 1979 BA, Harvard University

Employment

- 2005-present University of Pennsylvania
The Wharton School
Reginald H. Jones Professor of Corporate Strategy
- 1998- 2005 University of Pennsylvania
The Wharton School
Professor of Management
- 1989-1998 University of Pennsylvania
The Wharton School
Associate Professor of Management
- 1985-1989 Carnegie Mellon University
Graduate School of Industrial Administration
Assistant Professor of Economics and Industrial Administration
- 1983-1985 Carnegie Mellon University
Graduate School of Industrial Administration
Instructor of Economics and Industrial Administration

Visiting Positions

- 2012-2013 Michael Crouch Visiting Professorial Fellow
University of New South Wales
- June 2003 Philip Morris Visiting Professor
Sant 'Anna School of Advanced Studies University of Pisa
- 1998-1999 Bower Fellow
Harvard Business School, Harvard University

Honors

Honored faculty, Consortium for Competitiveness and Cooperation (CCC) conference, University of St. Gallen 2023
Distinguished Scholar Award, Strategic Management Division, Academy of Management 2022
Honorary Professor, Department of Business and Management LUISS University 2020
Academy of International Business, Distinguished School Award 2019
Citation Laureate, Clarivate Analytics 2018
Honorary Doctorate, London Business School 2018
Honorary Doctorate, Warwick University 2017
Irwin Award as Distinguished Educator, Academy of Management 2015
Fellow of the Institute for Advanced Studies, HKUST 2015
Honorary Doctorate, Tilburg University 2014
Fellow of the Strategic Management Society 2011
Fellow of the Academy of Management 2010
Distinguished Scholar Award, Organizational and Management Theory, Academy of Management 2010
Honorary Doctorate, University of Southern Denmark 2010

Publications

Choi, J. and D. Levinthal (forthcoming)
“Wisdom in the wild: Generalization and adaptive dynamics”. *Organization Science*

Kocak, O., P. Puranam, and D. Levinthal (2023)
“The dual challenge of search and coordination for organizational adaptation: How structures of influence matter”. *Organization Science*, 32(2): 851-869.

Levinthal, D. (2021). “From arms to trees: Opportunity costs and path-dependence and the exploration-exploitation tradeoff”. *Strategy Science*, 6(4): 331-337.

Levinthal, D. (2021). *Evolutionary Processes and Organizational Adaptation: A Mendelian Perspective on Strategic Management*. Oxford University Press.

Levinthal, D. and C. Rerup (2021). “The plural of goal: Learning in a world of ambiguity”. *Organization Science*, 32(3): 527-543.

Levinthal, D. (2020). “Learning in context: Reflections on reflections”. *Journal of International Business*, 51(9): 1529-1531.

Contigiani, A. and D. Levinthal (2019). “Situating the Construct of Lean Startup: Roots, Boundaries, and Relevance”. *Industrial and Corporate Change*, 28(3): 551-564.

Knudsen, T., D. Levinthal, and P. Puranam (2019). “A Model is a Model”. *Strategy Science*, 4(1): 1-3.

Levinthal, D. (2018). “From strategy to strategic organization”. Pp. 71-77. In M. Augier, C. Fang, and V. Rindova, *Advances in Strategic Management: Behavioral Strategy in Perspective*. Emerald Press

Levinthal, D. and M. Workiewicz (2018). "When two bosses are better than one: Nearly-decomposable systems and organizational adaptation". *Organization Science*, 29(2): 207-224.

Levinthal, D. (2017). “Mendel in the C-Suite: Design and the evolution of strategies”. *Strategy Science*, 2(4): 282-287.

- Levinthal, D. (2017). "Resource allocation and firm boundaries". *Journal of Management*, 43(8): 2580-2587
- Bennett, V. and D. Levinthal (2017). "Firm lifecycles: Linking employee incentives and firm growth dynamics". *Strategic Management Journal*. 38(10): 2005-2018.
- Knudsen, T., D. Levinthal, and S. Winter (2017). "Systematic differences and random rates: Reconciling Gibrat's Law with firm differences". *Strategy Science*, 2(2): 111-120.
- Csaszar, F. and D. Levinthal (2016). "Mental representation and the discovery of new strategies". *Strategic Management Journal*, 37: 2013-2049.
- Levinthal, D. (2016). "Learning and adaptation". Palgrave Encyclopedia of Strategic Management. Edited by D. Teece and M. Augier. Palgrave Macmillan.
- Levinthal, D. and L. Marengo (2016). "Simulation modeling and business strategy research". Palgrave Encyclopedia of Strategic Management. Edited by D. Teece and M. Augier. Palgrave Macmillan.
- Levinthal, D. and A. Marino (2015). "Three facets of organizational adaptation: Selection, variety, and plasticity". *Organization Science*, 26(3): 743-755.
- Cohen, M., D. Levinthal, and M. Warglien (2014). "Collective performance: Modeling the interaction of habit-based actions". *Industrial and Corporate Change*, 23: 329-360.
- Knudsen, T., D. Levinthal, and S. Winter (2014). "Hidden but in plain sight: The role of scale adjustment in industry dynamics". *Strategic Management Journal*, 35: 1569-1584.
- Wu, B., Z. Wan, and D. Levinthal (2014). "Complementary assets as pipes and prisms: Innovation incentives and trajectory choice", *Strategic Management Journal*, 36: 1257-1278.
- Rerup, C. and D. Levinthal (2013). "Situating the Concept of Organizational Mindfulness: The Multiple Dimensions of Organizational Learning". Guido Becke (Ed.) *Mindful Change in Times of Permanent Reorganization*. Springer, New York.
- Levinthal, D. (2012). "From the Ivy Tower to the C-Suite: Garbage Can Processes and Corporate Strategic Decision Making" in R. Harrison and A. Lomi (eds.) *The Garbage Can Model of Organizational Choice: Looking Forward at Forty*. *Research in the Sociology of Organizations*, Volume 36, pp 333-346.
- Gavetti, G., H. Greve, D. Levinthal, and W. Ocasio (2012). The Behavioral Theory of the Firm: Assessment and Prospects, *The Academy of Management Annals*, 6:1, 1-40.
- Posen, H. and D. Levinthal (2012). Chasing a moving target: Exploration and exploitation in a dynamic environment. *Management Science*, 58: 587-601.
- Levinthal, D. (2011). A Behavioral View of Strategy --- What's the Alternative? *Strategic Management Journal*, 32: 1517-1524.
- Levinthal, D. and B. Wu (2010). The rational tradeoff between corporate scope and

- profit margins: The role of capacity-constrained capabilities and market maturity. *Strategic Management Journal*, 31: 780-801.
- Fang, C. and D. Levinthal (2009). "The near-term liability of exploitation: Exploration and exploitation in multi-stage problems." *Organization Science*, 20: 538-551.
- Ethiraj, S. and D. Levinthal (2009). "Hoping for A to Z while rewarding only A: Complex organizations and multiple goals". *Organization Science*, 20: 4-24.
- Ghemawat, P. and D. Levinthal (2008). "Choice structures and business strategy". *Management Science*, 54: 1638-1651.
- Levinthal, D. (2008). "Understanding the role of novelty in organizational adaptation". In J. March, *Explorations in Organizations*. Stanford University Press, Stanford, CA.
- Adner, R. and D. Levinthal (2008). "Doing versus seeing: Acts of exploitation and perceptions of exploration". *Strategic Entrepreneurship Journal*, 2: 43-52.
- Ethiraj, S., D. Levinthal, and R. Roy (2008). "The dual role of modularity: Innovation and imitation". *Management Science*, 54: 939-955.
- Levinthal, D. and H. Posen (2007). "Myopia of selection: Does organizational adaptation limit the efficiency of population selection? *Administrative Science Quarterly*, 52: 586-620.
- Levinthal, D. (2007). "Technology: The role of network structures". *Strategic Entrepreneurship Journal*, 1: 189-190.
- Gavetti, G., D. Levinthal, and W. Ocasio. (2007). "Neo-Carnegie: The Carnegie School's past, present, and reconstructing for the future". *Organizational Science*, 18: 523-536.
- Levinthal, D. (2007). "Bringing selection back into our evolutionary theories of innovation". F. Malerba and S. Brusoni (eds.). *Perspectives on the Economics of Innovation*. Cambridge University Press.
- Knudsen, T. and D. Levinthal (2007). "Two faces of search: Alternative generation and alternative evaluation". *Organizational Science*, 18: 39-54.
- Levinthal, D. and C. Rerup. (2006). "Crossing an apparent chasm: Bridging mindful and less-mindful perspectives on organizational learning". *Organizational Science*, 17: 502-513.
- Levinthal, D. (2006). "The Neo-Schumpeterian Theory of the Firm and the Strategy Field". *Industrial and Corporate Change*, 15(2): 391-394.
- Levinthal, D. (2006). "Comments on the Resource Allocation Process". In J. Bower and C. Gilbert (eds.). *From Resource Allocation to Strategy*. Oxford University Press.
- Gavetti, G., D. Levinthal, and J. Rivkin (2005). Strategy making in novel and complex worlds: The power of analogy. *Strategic Management Journal*, 26: 691-712.
- Siggelkow, N. and D. Levinthal (2005). "Escaping real (non-benign) Competency Traps:

Linking the Dynamics of the Organizational Structure to the Dynamics of Search”. *Strategic Organization*, 3: 85-115.

Ethiraj, S. and D. Levinthal (2004). “Bounded rationality and the search for organizational architecture: An evolutionary perspective on the design of organizations and their evolvability”. *Administrative Science Quarterly*, 49: 404-437.

Gavetti, G. and D. Levinthal (2004). “Strategy field from the perspective of *Management Science*”. *Management Science*, 50: 1309-1318.

Denrell, J., C. Fang, and D. Levinthal (2004). “From T-mazes to labyrinths: Learning from model-based feedback”. *Management Science*, 50: 1366-1378.

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Siggelkow, N. and D. Levinthal (2004). “Temporally Divide to Conquer: Centralized, Decentralized, and Reintegrated Organizational Adaptations to Exploration and Adaptation”. *Organization Science*, 14: 650-669.

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Adner, R. and D. Levinthal (2004). “What is *not* a real option: Considering boundaries for the application of real options to business strategy”. *Academy of Management Review*, 29: 74-85.

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“Cognition and Models of Adaptive Learning”, in *Economics of Change, Choice, and Structure: Essays in the Memory of Richard M. Cyert*, edited by J. March and M. Augier. Edward Elgar Publishing, Ltd.

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“Technology evolution and demand heterogeneity: Implications for product and process innovation”, *Management Science*, 47: 611-628.

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“Modeling Adaptation on Rugged Landscapes”, in *Simulating Organizational Societies: Theories, Models and Ideas*, edited by Alessandro Lomi and Erik Larsen. MIT Press. (translated in M. Lombardi and F. Squazzoni (eds.) *Saggi di economia evolutiva* (“Papers in Evolutionary Economics”) FrancoAngeli Publishing Company, Milan Italy).

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“Looking forward and looking backward: Cognitive and experiential search”. *Administrative Science Quarterly*, 45: 113-137.

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“Landscape Design: Designing for Local Action in Complex Worlds”. *Organizational Science*, 10: 342-357.

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“The Slow Pace of Rapid Technological Change: Gradualism and Punctuation in Technological Change”. *Industrial and Corporate Change*, 7: 217-247.
(reprinted in *Understanding Industrial and Corporate Change*, edited by Dosi, Teece, and Chytry, Oxford University Press 2005)

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“Adaptation on Rugged Landscapes”. *Management Science*, 43: 934-950.
(reprinted in *The Economics of Organization and Bureaucracy*, edited by Peter M. Jackson. Edward Elgar Publishing).

Levinthal, D. (1997)

“Three Faces of Learning: Wisdom, Inertia, and Discovery”, in *Technological Innovation: Oversights and Foresights*, edited by R. Garud, P. Nayyar, and Z. Shapiro. Cambridge University Press.

Levinthal, D. (1996)

“Learning and Schumpeterian Dynamics”, in *Organization and Strategy in the Evolution of the Enterprise*, edited by Franco Malerba and Giovanni Dosi, University Michigan Press.

Levinthal, D. (1995)

“Strategic Management and the Exploration of Diversity”, in *Evolutionary and Resource-Based Approaches to Strategy*, edited by Cynthia Montgomery, Kluwer Academic Press.

Levinthal, D. and J. Myatt (1994)

“Co-evolution of capabilities and industry: A study of mutual fund processing”. *Strategic Management Journal*, 15: 45-62

Cohen, W. and D. Levinthal (1994)

“Fortune favors the prepared firm”. *Management Science*, 40: 227-251

Levinthal, D. and J. March (1993)

“The myopia of learning”. *Strategic Management Journal*, 14: 95-112.
(Reprinted in N. Lazaric, F. Lorenz, and E. Lorenz Eds., *Knowledge, Learning and Routines*. Edward Elger, 2002)

Winner of the 2002 Strategic Management Society Best Paper Prize for work with the most significant impact over the prior 10 years

Levinthal, D. (1992)

“Surviving Schumpeterian Environments: An Evolutionary Perspective”. *Industrial and Corporate Change*, 1: 427-443. (Also appears in Baum and Singh Eds., *Evolutionary Dynamics of Organizations*)

Seabright, M., D. Levinthal, and M. Fichman. (1992)

“The role of individual attachments in interorganizational relationships”. *Academy of Management Journal*, 35: 122-160.

Levinthal, D. (1991)

“Random walks and organizational mortality”. *Administrative Science Quarterly*, 36: 397-420.

Fichman, M. and D. Levinthal. (1991)

“Ties that Bind: History Dependence in Professional Relationships”, in *Research in the Sociology of Organizations*, edited by S. Bacharach, S. Barley and P. Tolbert. JAI Press, 119-153.

Fichman, M. and D. Levinthal. (1991)

“Honeymoons and the liability of adolescence: A new perspective on duration dependence in social and organizational relationships”. *Academy of Management Review*, 16: 442-468.

Levinthal, D. (1991)

“Organizational adaptation and environmental selection - Interrelated processes of change”. *Organizational Science*, 2: 140-145 (Reprinted in L. Sproull and M. Cohen (Eds.), *Organizational Learning*, Sage Publications, 1996).

Levinthal, D. (1990)

“Organizational adaptation, environmental selection and random walks”, in *Organizational Evolution: New Perspectives*, edited by J. Singh, Sage Publications, pp. 201-223.

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“Absorptive capacity: A new perspective on learning and innovation”, *Administrative Science Quarterly*, 35: 128-152.
(Reprinted in B. Martin and P. Nightingale (Eds.), *Science, Technology and Innovation*. Edward Elgar Publishing; Reprinted in Burgelman, Christensen, and Wheelright (Eds.), *Strategic Management of Technology and Innovation*, 2003; Reprinted in *Knowledge and Learning in the Firm*, edited by Bart Nooteboom Edward Elger 2006; Reprinted in W. Starbuck (Ed.) *Learning by Organizations* Vol. II. Edward Elger 2007)

Cohen, W. and D. Levinthal. (1990)

“The implications of spillovers for r&d investment and welfare: A new perspective”, in *Advances in Applied Microeconomics, Vol. 5: Factors Affecting Technological Change*, edited by Al Link and Kerry Smith. JAI Press, pp.29-45.

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“Innovation and learning: The two faces of r&d”. *Economic Journal*, 99: 569-596.
(Reprinted in E. Mansfield and E. Mansfield (eds.), *The Economics of Technical Change*.)

(1993) Edward Elgar Publishing; N. Wolff (1997), *The Economics of Productivity*, Edward Elgar Publishing; A. Link (ed.) (2008), *The Economic Theory of Invention and Innovation*, Edward Elgar Publishing; B. Nooteboom (ed.) (2006), *Knowledge and Learning*, Edward Elgar Publishing)

Levinthal, D. and D. Purohit. (1989)
“Durable goods and product obsolescence”. *Marketing Science*, 8: 35-56.

Levinthal, D. and M. Fichman. (1988)
“Dynamics of Interorganizational Attachments: Auditor Client Relationships”.
Administrative Science Quarterly, 33: 345-369.

Levinthal, D. (1988)
“A Survey of Agency Models of Organizations”. *Journal of Economics Behavior and Organizations*, 9: 153-185.

Herriott, S., D. Levinthal. and J. March. (1985)
“Learning with Experience in Organizations”. *American Economic Review*, 75: 298-302
(Reprinted in J. G. March (Col.), *Decisions and Organizations*. Oxford, United Kingdom: Basil Blackwell, 1988).

Levinthal, D. and J. March. (1981)
“A Model of Adaptive Organizational Search”. *Journal of Economic Behavior and Organizations*, 2: 307-333 (Reprinted in J. G. March (Col.), *Decision and Organizations*. Oxford, United Kingdom: Basil Blackwell, 1988).

Working Papers

Levinthal, D. and D. Newark
“Putting decision making in context: A Carnegie perspective on choice”

Levinthal, D. and L. Rosenkopf
“Commensurability and collective impact in strategic management research: When non-replicability is a feature, not a bug”

Levinthal, D. and D. Schliesmann
“How adaptive are adaptive aspirations: Exploring the ecology of organizational learning”

Levinthal, D. and B. Wu
“Corporate strategy: An opportunity cost perspective”

Levinthal, D. and Dong Nghi Pham
“Bringing power back in: The role of politics in organizational adaptation”

Service

Dean’s Advisory Council (2014-2020)
Chair of the Management Department (2001 – 2010, 2013 – 2016, 2021-22)
University Search Committee for Wharton Dean (2007, 2013, and 2020)
Coordinator of Management Department Ph.D. Program (1998-2001)
Wharton School Personnel Committee (1998-2000, 2019-20); Chair (1999-2000)

Editorial

Editor-in-Chief, *Strategy Science* (2014-2021)

Roles

Editor-in-Chief, Organization Science (2010-2013)
Editor, Industrial and Corporate Change (2010-2015)
Editorial Advisory Board, Academy of Management Annual Review Series (2005-2016)
Department Editor for Business Strategy, Management Science (2000-2003)
Associate Editor, Management Science (1992 – 1998)

**Scientific
Committees**

Industry and Corporate Change (2015 – present)
Danish Research Unit for Industry Dynamics (DRUID) (2008 – 2013)
Center for Innovation Research, University of Tilburg (2010 – 2015)
Advanced School of Economics and Management, University of Venice (2008 – 2010)

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