

DAVID KNUDSEN LEVINE

February 2016

CURRENT POSITION

September 2013-present

Professor of Economics and Joint Chair Robert Schuman Center for Advanced Study
European University Institute; Villa San Paolo; Via della Piazzuola 43; I-50133 Firenze - Italy

[On Leave] July 2006-present

John H. Biggs Distinguished Professor, Department of Economics
Washington University in St. Louis; Campus Box 1208; St. Louis MO 63130-4899

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EDUCATION

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- UCLA, BA, Mathematics, June 1977
- UCLA, MA, Economics, June 1977
- MIT, Ph.D., Economics, June 1981

OTHER POSITIONS

- Assistant Professor of Economics, UCLA, July 1981 - June 1986
- Associate Professor of Economics, University of Minnesota, September 1987 - June 1988
- Professor of Economics, UCLA, July 1987 - June 1997
- Armen Alchian Professor of Economics, UCLA, July 1997 - June 2006

SIGNIFICANT FELLOWSHIPS, GRANTS, AND SERVICE

- Principal Investigator, National Science Foundation Grants, 1985 - present
- Fellow of the Econometric Society, 1989
- Economics Department Vice Chairman, Graduate Affairs, UCLA, July 1986 - June 1987
- Coeditor: *Economic Theory*, March 1992 - December 1996
- Council on Academic Personnel, UCLA, September 1992 - September 1995
- National Science Foundation Economics Panel, August 1995 - June 1997
- Coeditor: *Review of Economic Dynamics*, November 1996 - June 2001
- Economics Department Chair, UCLA, July 1999 - June 2000
- Co-Director, CASSEL, UCLA, July 1999 - 2004
- American Economic Association Committee on Honors and Awards, 2002-2007
- Coeditor: *Econometrica*, July 2003 - June 2008
- Sloan Research Fellowship Program Committee, 2003-2008
- Economics Department Chair, UCLA, January 2005 - June 2005
- President, Society of Economic Dynamics, July 2006 - June 2009
- Research Associate, NBER Program on Economic Fluctuations and Growth, April 2006-present
- Co-Director, MISSEL, Washington University in St. Louis, July 2009 - June 2013
- Council Member, Society of Economic Dynamics, July 2009 - present
- Board of Directors, Econ Job Market, 2009-present
- Society for the Advancement of Economic Theory, member of Executive Committee, January 2011 - present
- Vice President, Society for the Advancement of Economic Theory, January 2011- May 2011
- Economic Theory Fellow, 2011
- President, Society for the Advancement of Economic Theory, June 2011 - May 2013
- Board Member, International Society for New Institutional Economics, March 2014 - present

PART TIME AND OTHER POSTS

- Joint Appointee, UCLA Institute of Industrial Relations, 1982 - 1984
- Visiting Scholar, Cambridge University, Department of Applied Economics, Winter 1985
- Visitor, Mathematical Science Research Institute, September 1985
- Visitor, Federal Reserve Bank of Minneapolis, September 1987 - June 1988
- Visiting Scholar, Institut D'Analisys Economica, Universidad Autonoma de Barcelona, June 1990
- Visiting Professor of Economics, Caltech, September 1990 - March 1991
- Committee on Academic Personnel, UC, September 1993 - June 1995
- Visiting Scholar, Carlos III, Madrid, Fall 1995
- Visiting Professor, Tel Aviv University, July 1996
- National Science Foundation Subcommittee on Human Subjects, May 2001 - January 2002
- Visiting Professor, Torcuato Di Tella University, Department of Economics, July 2001
- Visiting Professor, University of Texas, Austin, October 2003
- Visiting Professor, Chinese University of Hong Kong, March 2004
- Visiting Professor, Seoul National University, April 2004
- Research Consultant, Federal Reserve Bank of Minneapolis, July 2004-December 2005
- Distinguished Lecturer, Brown University, April 2005
- Hooker Professor, McMaster University, March 2009
- Research Associate, Federal Reserve Bank of St. Louis, March 2009 - present
- Visitor, EIEF, Rome, 2009-2010
- Visitor, EUI, Florence 2010-2011
- Research Associate, Center for Advanced Study in Economic Efficiency, 2010
- Visitor, Center for Economic Studies in Munich, May 2010
- Member CESifo Network, 2010
- Advisory Board, Center for the Study of Innovative Freedom, 2010
- Fernand Braudel Fellow, EUI, Florence 2011
- National Science Foundation ICES Panel member, January 2011

AWARDS

- Departmental Scholar in Economics, UCLA, September 1975 - June 1977
- Foundation for Research in Education and Economics Fellowship, September 1976 - June 1977
- Phi Beta Kappa, *Summa Cum Laude* in Mathematics, UCLA, June 1977
- Daus Prize in Mathematics, UCLA, June 1977
- Graduate Fellowship, MIT, September 1977 - June 1981
- Foundation for Research in Education and Economics Grant, Summer 1982
- UCLA Institute of Industrial Relations Grant 1982 - 84
- Office of Instructional Development Grant, UCLA, Summer 1984
- Academic Senate Research Grants, UCLA, 1981 - 1999, 2000
- Special Recognition for Excellence in Mentoring from the Graduate Student Senate, April 2012

PLENARY AND OTHER MAJOR TALKS

- 1994 Society of Economic Dynamics and Control Meeting
- 2003 International Economics Review - Lawrence Klein Lecture
- 2004 Chinese University of Hong Kong Sir Edward Youde Memorial Fund Visiting Professorship Scheme Public Lecture
- 2004 Canadian Economic Theory Conference
- 2004 World Congress of the Game Theory Society
- 2004 Latin American Econometric Society Meetings
- 2008 University of Pennsylvania PIER Lecture
- 2008 Canada Ministry of Finance, Inaugural Shoyama Lecture
- 2009 McMaster University Hooker Lecture
- 2009 European University Institute, Max Weber Lecture
- 2009 Economic Science Association Meetings
- 2011 SAET Presidential Address
- 2015 Waterloo Arts Distinguished Lecture in Economics
- 2015 UECE Lisbon Meetings

EDITORIAL BOARDS

- *Abstracts of Working Papers in Economics* (January 1987 - December 1987): Associate Editor

- *Journal of Economic Theory* (June 1987 - September 1996): Associate Editor
- *Econometrica* (July 1996 - June 1999): Associate Editor
- *Economic Bulletin* (December 2000 - December 2002): Associate Editor
- *NAJ Economics* (September 2001 - present): Coeditor
- *ELSS Theory* (October 2002 - January 2004): Advisory Board Member
- *Theoretical Economics* (January 2004 - March 2010): Executive Board Member, (June 2010 - present): Associate Editor
- *Games* (March 2010 - present)
- *Economic Theory* (January 1990 - February 1992; January 1997 - September 1999): Associate Editor; September 2011 - present: Advisory Board Member
- *Latin American Journal of Economics* (January 2013-present): Editorial Board Member
- *Latin American Economic Review* (March 2013-present): Editorial Board Member

REFEREEING

Academy of Management Review, Addison-Wesley, *American Economic Review*, *American Journal of Political Economy*, *Behavioral and Brain Sciences*, Canada Council, *Cognitive, Affective, and Behavioral Neuroscience*, DIRASAT, D.C. Heath, *Econometrica*, *Economic Inquiry*, *Economic Journal*, *Economic Theory*, *Estudios Economicos de el Colegio de Mexico*, *Ethical Theory and Moral Practice*, *European Journal of Political Economy*, *Games and Economic Behavior*, Harper Collins, *Information Economics and Policy*, *International Economic Review*, Israel-US Binational Science Foundation, *Journal of Business and Economic Statistics*, *Journal of Econometrics*, *Journal of Economic Behavior and Organization*, *Journal of Economic Dynamics and Control*, *Journal of Economic Literature*, *Journal of Economics and Management Strategy*, *Journal of Economic Theory*, *Journal of Labor Economics*, *Journal of Mathematical Economics*, *Journal of Multivariate Analysis*, *Journal of Political Economy*, *Labour*, *Mathematics of Operations Research*, Netherlands Research Council, National Science Foundation, *Operations Research*, Oxford University Press, *Physical Review Letters*, Prentice Hall, Princeton University Press, *Quarterly Journal of Economics*, *Rand Journal of Economics*, *Rationality and Society*, *Review of Economic Dynamics*, *Review of Economic Studies*, *Scandinavian Journal of Economics*, *Science*, *Scottish Journal of Political Economy*, *Zeitschrift Fur Nationaleconomie*

PROGRAM COMMITTEES

Summer Econometric Society Meetings, 1989, 1991, 1992, 1997, member program committee: Mathematical Economics; Winter Econometric Society Meetings, 1990, member program committee: Mathematical Economics; Far West Regional Theory Conference, 1992, conference organizer; 7th World Congress of the Econometric Society, 1995, member program committee; Summer Econometric Society Meetings 2002, program committee co-chair; Summer Society of Economic Dynamics Meetings 2003, program committee; Society for the Advancement of Economic Theory 2003, program committee

EDITED BOOKS

- *The Economics of Information*, (edited with Steven A. Lippman), Edward Elgar (1995).
- *Learning in Games: A Symposium in Honor of David Blackwell* (edited with Dean Foster and Rakesh Vohra), a special issue of *Games and Economic Behavior* (1999).
- *Dynamic Games* (edited with Aldo Rustichini), a special issue of *Review of Economic Dynamics* (2000).
- *Proceedings of the 2002 North American Summer Meetings of the Econometric Society* (edited with William Zame)
- *Long Run Collaboration on Games with Long Run Players* (with Drew Fudenberg), World Scientific Publishing (2008)

PUBLISHED BOOKS

- *Theory of Learning in Games* (with Drew Fudenberg), MIT Press (1998)
- *Against Intellectual Monopoly* (with Michele Boldrin), Cambridge University Press (2008)
- *Is Behavioral Economics Doomed?* Openbook Publishers (2012 forthcoming)

MOST SIGNIFICANT PUBLICATIONS

1. "Comparative Statics and Perfect Foresight in Infinite Horizon Economies," (with T. Kehoe), *Econometrica*, 53: 433-453, 1985.
2. "Reputation and Equilibrium Selection in Games with a Patient Player," (with D. Fudenberg),

- Econometrica*, 57: 759-778, 1989.
3. "Self-Confirming Equilibrium," (with D. Fudenberg), *Econometrica*, 61: 523-546, 1993.
 4. "Debt Constrained Asset Markets," (with T. Kehoe), *Review of Economic Studies*, 60: 865-888, 1993.
 5. "The Folk Theorem with Imperfect Public Information," (with D. Fudenberg and E. Maskin), *Econometrica*, 62: 997-1039, 1994, reprinted in *Recent Developments in Game Theory* edited by Eric Maskin, Edward Elgard, 1994; *Cartels* edited by Stephen Salant and Margaret Levenstein, Edward Elgar, 2004.
 6. "Modeling Altruism and Spitefulness in Experiments," *Review of Economic Dynamics*, 1: 593-622, 1998.
 7. "IER Lawrence Klein Lecture: The Case Against Intellectual Monopoly," (with M. Boldrin), *International Economic Review*, 45: 327-350, 2004.
 8. "A Dual Self Model of Impulse Control," (with D. Fudenberg), *American Economic Review*, 96: 1449-1476, 2006.
 9. "The Paradox of Voter Participation: A Laboratory Study," (with T. Palfrey), *American Political Science Review*, 101: 143-158, 2007.

ALL PUBLICATIONS

1. "Soviet Oil and Natural Gas in the Global Perspective," (with J. Hardt and R. Bresnick), *Project Interdependence: U.S. and World Energy Outlook through 1990*, U.S. GPO, Committee Print 95-33: Washington, 787-857, 1977.
2. "Subgame-Perfect Equilibria of Finite- and Infinite-Horizon Games," (with D. Fudenberg), *Journal of Economic Theory*, 31: 251-258, 1983.
3. "A Remark on Serial Correlation in Maximum Likelihood," *Journal of Econometrics*, 23: 337-342, 1983.
4. "Strike Activity, Wage Settlements and Rationality," (with D. Fudenberg and P. Ruud), in *Current Thinking and Research in Labor Economics*, ed. Walter Fogel, UCLA Institute of Industrial Relations: Los Angeles, 47-72, 1984.
5. "Regularity in Overlapping Generations Exchange Economies," (with T. Kehoe), *Journal of Mathematical Economics*, 13: 69-93, 1984.
6. "Intertemporal Separability in Overlapping Generations Models," (with T. Kehoe), *Journal of Economic Theory*, 34: 216-226, 1984.
7. "The Financial Sector in the Planning of Economic Development," (with D. Backus and H. Blanco), in *Financing Problems of Developing Countries*, ed. Armin Gutowski, A. A. Arnaudo and Hans-Eckert Scharrer, St. Martin's Press: New York, 42-58, 1985.
8. "Infinite-Horizon Models of Bargaining with One-Sided Incomplete Information," (with D. Fudenberg and J. Tirole), in *Game-Theoretic Models of Bargaining*, ed. Alvin E. Roth, Cambridge University Press: Cambridge, 73-98, 1985.
9. "Comparative Statics and Perfect Foresight in Infinite Horizon Economies," (with T. Kehoe), *Econometrica*, 53: 433-453, 1985.
10. "Estática comparativa y prevision perfecta en economias con horizonte infinito," (with T. Kehoe), *Cuadernos Economicos de ICE*, 46: 203-226, 1985, translation of "Comparative Statics and Perfect Foresight in Infinite Horizon Economies".
11. "Sensitivity of MLE to Measurement Error," *Journal of Econometrics*, 28: 223-230, 1985.
12. "A Simple Durable Goods Model," *Quarterly Journal of Economics*, 100: 775-788, 1985.
13. "Limit Games and Limit Equilibria," (with D. Fudenberg), *Journal of Economic Theory*, 38: 261-279, 1986.
14. "Reverse Regressions for Latent Variable Models," *Journal of Econometrics*, 32: 291-292, 1986.
15. "Incomplete Information Bargaining with Outside Opportunities," (with D. Fudenberg and J. Tirole), *Quarterly Journal of Economics*, 102: 37-57, 1987.
16. "Nash Equilibria Equal Competitive Equilibria," *Economics Letters*, 25: 301-302, 1987.
17. "Open and Closed-Loop Equilibria in Dynamic Games With Many Players," (with D. Fudenberg),

- Journal of Economic Theory*, 44: 1-18, 1988.
18. "On the Robustness of Equilibrium Refinements," (with D. Fudenberg and D. Kreps), *Journal of Economic Theory*, 44: 354-380, 1988.
 19. "Reputation and Equilibrium Selection in Games with a Patient Player," (with D. Fudenberg), *Econometrica*, 57: 759-778, 1989.
 20. "Steady States and Determinacy in Economies with Infinitely Lived Agents," (with T. Kehoe and P. Romer), in *Joan Robinson and Modern Economic Theory*, ed. G. Feiwel, New York University Press: New York, 521-544, 1989.
 21. "Determinacy of Equilibrium in Large Square Economies," (with T. Kehoe, A. Mas-Colell and W. Zame), *Journal of Mathematical Economics*, 18: 231-262, 1989.
 22. "Infinite Horizon Equilibrium with Incomplete Markets," *Journal of Mathematical Economics*, 18: 357-376, 1989.
 23. "Efficiency and the Value of Money," *Review of Economic Studies*, 56: 77-88, 1989.
 24. "Reputation and Commitment in Long Run Relationships," (with D. Fudenberg), *Cuadernos Economicos de ICE*, 45: 97-120, 1990.
 25. "Indeterminacy in Applied Intertemporal General Equilibrium Models," (with T. Kehoe), in *General Equilibrium Modeling and Policy Analysis*, ed. Lars Bergman, Dale W. Jorgenson and Erno Zala, Basil Blackwell: Oxford, 111-148, 1990.
 26. "The Economics of Indeterminacy in Overlapping Generations Models," (with T. Kehoe), *Journal of Public Economics*, 42: 219-243, 1990.
 27. "Determinacy of Equilibrium in Dynamic Models with Finitely Many Consumers," (with T. Kehoe and P. Romer), *Journal of Economic Theory*, 50: 1-21, 1990.
 28. "Dynamic Externalities and Competitive Equilibrium," (with T. Kehoe and P. Romer), *Cuadernos Economicos de ICE*, 46: 261-278, 1990.
 29. "An Approximate Folk Theorem with Imperfect Private Information," (with D. Fudenberg), *Journal of Economic Theory*, 54: 26-47, 1991.
 30. "Gross Substitutes in Large Square Economies," (with T. Kehoe, A. Mas-Colell and M. Woodford), *Journal of Economic Theory*, 54: 1-25, 1991.
 31. "Asset Trading Mechanisms and Expansionary Policy," *Journal of Economic Theory*, 54: 148-164, 1991.
 32. "Maintaining a Reputation when Strategies are Imperfectly Observed," (with D. Fudenberg), *Review of Economic Studies*, 59: 561-580, 1992.
 33. "The Optimum Quantity of Money Revisited," (with T. Kehoe and M. Woodford), in *Economic Analysis of Markets and Games*, ed. Dasgupta, Gale, Hart and Maskin, MIT Press: Cambridge, 501-526, 1992.
 34. "On Characterizing Equilibria of Models with Externalities and Taxes as Solutions to Optimization Problems," (with T. Kehoe and P. Romer), *Economic Theory*, 2: 43-68, 1992.
 35. "Steady State Learning and Nash Equilibrium," (with D. Fudenberg), *Econometrica*, 61: 547-573, 1993.
 36. "Self-Confirming Equilibrium," (with D. Fudenberg), *Econometrica*, 61: 523-546, 1993.
 37. "Equilibrio Autoconfirmado," (with D. Fudenberg), *Cuadernos Economicos de ICE*, 60: 13-38, 1993, translated from "Self-Confirming Equilibrium".
 38. "Debt Constrained Asset Markets," (with T. Kehoe), *Review of Economic Studies*, 60: 865-888, 1993.
 39. "Trembling Invisible Hand Equilibrium," *Journal of Economic Theory*, 59: 239-256, 1993.
 40. "Efficiency and Observability with Long-Run and Short-Run Players," (with D. Fudenberg), *Journal of Economic Theory*, 62: 103-135, 1994.
 41. "The Folk Theorem with Imperfect Public Information," (with D. Fudenberg and E. Maskin), *Econometrica*, 62: 997-1039, 1994, reprinted in *Recent Developments in Game Theory* edited by Eric Maskin, Edward Elgard, 1994; *Cartels* edited by Stephen Salant and Margaret Levenstein, Edward Elgar, 2004.
 42. "The Folk Theorem with Imperfect Public Information," (with D. Fudenberg and E. Maskin), in *Recent Developments in Game Theory*, ed. E. Maskin, Edward Elgar: Cheltenham, 1994, reprinted from *Econometrica*.

43. "Consistency and Cautious Fictitious Play," (with D. Fudenberg), *Journal of Economic Dynamics and Control*, 19: 1065-1090, 1995.
44. "When Are Agents Negligible?," (with W. Pesendorfer), *American Economic Review*, 85: 1160-1170, 1995.
45. "Maintaining a Reputation against a Patient Opponent," (with M. Celentani, D. Fudenberg and W. Pesendorfer), *Econometrica*, 64: 691-704, 1996.
46. "Debt Constraints and Equilibrium in Infinite Horizon Economies with Incomplete Markets," (with W. Zame), *Journal of Mathematical Economics*, 26: 103-131, 1996.
47. "Measuring Subject's Losses in Experimental Games," (with D. Fudenberg), *Quarterly Journal of Economics*, 112: 508-536, 1997.
48. "Learning in Games," (with D. Fudenberg), *European Economic Review*, 42: 631-639, 1998.
49. "When are Non-Anonymous Players Negligible," (with D. Fudenberg and W. Pesendorfer), *Journal of Economic Theory*, 79: 46-71, 1998.
50. "Modeling Altruism and Spitefulness in Experiments," *Review of Economic Dynamics*, 1: 593-622, 1998.
51. "Reputation with Noisy Precommitment," (with C. Martinelli), *Journal of Economic Theory*, 78: 55-75, 1998.
52. "Payoff Information and Self-Confirming Equilibrium," (with E. Dekel and D. Fudenberg), *Journal of Economic Theory*, 89: 165-185, 1999.
53. "Introduction to Learning in Games: A Symposium in Honor of David Blackwell," (with D. Foster and R. Vohra), *Games and Economic Behavior*, 29: 1-6, 1999.
54. "Conditional Universal Consistency," (with D. Fudenberg), *Games and Economic Behavior*, 29: 104-130, 1999.
55. "An Easier Way to Calibrate," (with D. Fudenberg), *Games and Economic Behavior*, 29: 131-137, 1999.
56. "Learning in the Stock Flow Model," in *Money, Markets and Method: Essays in Honour of Robert W. Clower*, ed. P. Howitt, E. de Antoni and A. Leijonhufvud, Edward Elgar: Cheltenham, 236-246, 1999.
57. "Risk Sharing and Market Incompleteness," (with W. Zame), in *The Theory of Markets and Their Functioning*, ed. P.J.J. Herings, G. van der Laan, and A.J.J. Talman, North-Holland: Amsterdam, 217-228, 1999.
58. "The Castle on the Hill," *Review of Economic Dynamics*, 3: 330-337, 2000.
59. "Introduction: The Dynamic Games Special Issue," (with A. Rustichini), *Review of Economic Dynamics*, 3: 213-215, 2000.
60. "Factor Saving Innovation," (with M. Boldrin), *Journal of Economic Theory*, 105: 18-41, 2001.
61. "Growth Cycles and Market Crashes," (with M. Boldrin), *Journal of Economic Theory*, 96: 13-39, 2001.
62. "Evolution and Information in a Gift Giving Game," (with P. Johnson and W. Pesendorfer), *Journal of Economic Theory*, 100: 1-22, 2001.
63. "Liquidity Constrained vs. Debt Constrained Markets," (with T. Kehoe), *Econometrica*, 69: 575-598, 2001.
64. "Game Theory," *Encyclopedia of Cognitive Science*, Nature Publishing Group: Basingstoke, 2001.
65. "Does Market Incompleteness Matter," (with W. Zame), *Econometrica*, 70: 1805-1840, 2001.
66. "The Case Against Intellectual Property," (with M. Boldrin), *American Economic Review Papers and Proceedings*, 92: 209-212, 2002.
67. "Information Aggregation, Currency Swaps, and the Design of Derivative Securities," (with B. Chowdhry and M. Grinblatt), *Journal of Political Economy*, 110: 609-633, 2002.
68. "Subjective Uncertainty Over Behavior Strategies: A Correction," (with E. Dekel and D. Fudenberg), *Journal of Economic Theory*, 104: 473-478, 2002.
69. "Lotteries, Sunspots and Incentive Constraints," (with T. Kehoe and E. Prescott), *Journal of Economic Theory*, 107: 39-69, 2002.
70. "Modeling Altruism and Spitefulness in Experiments," in *Critical Studies in Economic Institutions: Trust*, ed. G. M. Hodgson and E. L. Khalil, Edward Elgar: Cheltenham, 2002, reprinted from *Review of Economic Dynamics*.

71. "The Economics of Ideas and Intellectual Property," (with M. Boldrin), *Proceedings of the National Academy of Sciences*, 102: 1252-1256, 2004.
72. "Rent Seeking and Innovation," (with M. Boldrin), *Journal of Monetary Economics*, 51: 127-160, 2004.
73. "IER Lawrence Klein Lecture: The Case Against Intellectual Monopoly," (with M. Boldrin), *International Economic Review*, 45: 327-350, 2004.
74. "Learning to Play Bayesian Games," (with E. Dekel and D. Fudenberg), *Games and Economic Behavior*, 46: 282-303, 2004.
75. "Comments on Bruce Smith's Work," (with A. Rolnick and K. Shell), *Economic Theory*, 24: 733-739, 2004.
76. "Innovacio - a verseny szemszogeboel," (with M. Boldrin), *Kozgazdasagi Szemle*, LII: 537-555, 2005.
77. "Intellectual Property and the Efficient Allocation of Surplus from Creation," (with M. Boldrin), *Review of Research on Copyright Issues*, 2: 45-66, 2005.
78. "Learning and Belief Based Trading," (with D. Fudenberg), *The Latin American Journal of Economics*, 42: 199-207, 2005.
79. "Superstition and Rational Learning," (with D. Fudenberg), *American Economic Review*, 96: 1449-1476, 2005.
80. "Globalization, Intellectual Property, and Economic Prosperity," (with M. Boldrin), *Spanish Economic Review*, 8: 23-34, 2006.
81. "Intellectual Property and the Efficient Allocation of Surplus from Innovations," (with M. Boldrin), in *Property Rights Dynamics. A Law and Economics Perspective*, ed. Donatella Porrini and Giovanni Battista Ramello, Routledge: London, 2006.
82. "A Dual Self Model of Impulse Control," (with D. Fudenberg), *American Economic Review*, 96: 1449-1476, 2006.
83. "Can A Turing Player Identify Itself?," (with B. Szentes), *Economics Bulletin*, 1: 1-6, 2006.
84. "Deterrence in the Cold War and the War on Terror," (with R. Levine), *Defence and Peace Economics*, 17: 605-617, 2006.
85. "An Economists Perspective on Multi-Agent Learning," (with D. Fudenberg), *Artificial Intelligence*, 171, 2007.
86. "The Nash Threats Folk Theorem With Communication and Approximate Common Knowledge in Two Player Games," (with D. Fudenberg), *Journal of Economic Theory*, 132: 461-473, 2007.
87. "Continuous Time Limits of Repeated Games with Imperfect Public Monitoring," (with D. Fudenberg), *Review of Economic Dynamics*, 10: 173-192, 2007.
88. "Perfect Public Equilibrium When Players are Patient," (with D. Fudenberg and S. Takahashi), *Games and Economic Behavior*, 61: 27-49, 2007.
89. "Review: Beyond Individual Choice by Michael Bacharach with Natalie Gold and Robert Sugden," *Journal of Economic Literature*, forthcoming, 2007.
90. "The Paradox of Voter Participation: A Laboratory Study," (with T. Palfrey), *American Political Science Review*, 101: 143-158, 2007.
91. "Evolution of Cooperation Through Imitation," (with W. Pesendorfer), *Games and Economic Behavior*, 58: 293-315, 2007.
92. "All the Interesting Questions, Almost All the Wrong Reasons," (with M. Boldrin), in *Revisiting Keynes*, ed. L. Pecchi and G. Piga, MIT Press: Cambridge, 2008.
93. "Perfectly Competitive Innovation," (with M. Boldrin), *Journal of Monetary Economics*, 55: 435-453, 2008.
94. "When is Reputation Bad," (with J. Ely and D. Fudenberg), *Games and Economic Behavior*, 63: 498-526, 2008.
95. "Policy Platforms, Campaign Spending and Voter Participation," (with H. Herrera and C. Martinelli), *Journal of Public Economics*, 92: 501-513, 2008.
96. "Bankruptcy and Collateral in Debt Constrained Models," (with T. Kehoe), in *Macroeconomics in the Small and the Large*, ed. Roger E.A. Farmer, Edward Elgar: Cheltenham, 2008.
97. "A Model of Discovery," (with M. Boldrin), *American Economic Review P&P*, 99: 337-342, 2009.
98. "Market Structure and Property Rights in Open Source," (with M. Boldrin), *Washington University*

99. "Does Intellectual Monopoly Help Innovation," (with M. Boldrin), *Review of Law and Economics*, 5: 2, 2009.
100. "Market Size and Intellectual Property Protection," (with M. Boldrin), *International Economic Review*, 50: 855-881, 2009.
101. "Repeated Games with Frequent Signals," (with D. Fudenberg), *Quarterly Journal of Economics*, 124: 233-265, 2009.
102. "Learning-Theoretic Foundations for Equilibrium Analysis," (with D. Fudenberg), *Annual Review of Economics*, 1, 2009.
103. "Self Confirming Equilibrium and the Lucas Critique," (with D. Fudenberg), *Journal of Economic Theory*, 144: 2354-2371, 2009.
104. "The Slippery Slope of Concession," (with J. Hirshleifer and M. Boldrin), *Economic Inquiry*, 47: 197-205, 2009.
105. "New Approaches to Rewarding Pharmaceutical Innovation," (with P. Grootendorst, A. Hollis, T. Pogge and A. Edwards), *Canadian Medical Association Journal*, 2010.
106. "The Relationship of Economic Theory to Experiments," (with J. Zheng), in *The Methods of Modern Experimental Economics*, ed. Guillaume Frechette and Andrew Schotter, Oxford University Press: Oxford, 2010.
107. "The Brother in Law Effect," (with F. Weinschelbaum and F. Zurita), *International Economic Review*, 51: 497-507, 2010.
108. "Competition and Innovation," (with M. Boldrin, J. Allamand and C. Ornaghi), *Cato Papers on Public Policy*, Cato: Washington, forthcoming, 2011.
109. "Risk, Delay, and Convex Self-Control Costs," (with D. Fudenberg), *AEJ Micro*, 3: 34-68, 2011.
110. "Fairness and Independence: An Impossibility Theorem," (with D. Fudenberg), *Journal of Economic Behavior and Organization*, forthcoming, 2011.
111. "Neuroeconomics?," *International Review of Economics*, 10.1007/s12232-011-0128-7, 2011.
112. "Timing and Self-Control," (with D. Fudenberg), *Econometrica*, 80: 1-42, 2012.
113. "An Approximate Dual-Self Model and Paradoxes of Choice under Risk," (with D. Fudenberg and Z. Maniadis), *Journal of Economic Psychology*, forthcoming, 2012.
114. "On the Robustness of Anchoring Effects in WTP and WTA Experiments," (with D. Fudenberg and Z. Maniadis), *AEJ Micro*, 4: 131-145, 2012.
115. "Monopoly and the Incentive to Innovate When Adoption Involves Switchover Disruptions," (with T. Holmes and J. Schmitz Jr), *AEJ Micro*, 4: 1-33, 2012.
116. "Production Chains," *Review of Economic Dynamics*, 15: 271-282, 2012.
117. "The Case Against Patents," (with M. Boldrin), *Journal of Economic Perspectives*, 27: 3-22, 2013.
118. "What's Intellectual Property Good for?," (with M. Boldrin), *Revue Economique*, 64:29-53, 2013.
119. "Anti-Malthus: Conflict and the Evolution of Societies," (with S. Modica), *Research in Economics*, 67: 289-306, 2013, formerly titled "Anti-Malthus: Evolution, Population, and the Maximization of Free Resources".
120. "Intellectual Property," (with M. Boldrin), in *Emerging Trends in the Social and Behavioral Sciences*, ed. Bob Scott, Stephen Kosslyn, and Nancy Pinkerton, Wiley: New Jersey, forthcoming, 2014.
121. "Tail Probabilities for Triangular Arrays," (with D. Fudenberg), *AIMS' Journals: Journal of Dynamics and Games*, 1:1: pubID=607, 2014.
122. "Learning with Recency Bias," (with D. Fudenberg), *Proceedings of the National Academy of Sciences*, 111: 10826-10829, 2014.
123. "Codes of Conduct, Private Information and Repeated Games," (with J. Block), *International Journal of Game Theory*, forthcoming, 2015.
124. "A Unifying Learning Framework for Building Artificial Game-Playing Agents," (with W. Chen and Y. Chen), *Annals of Mathematics and Artificial Intelligence*, 73: 335-358, 2015.
125. "Peer Discipline and Incentives Within Groups," (with S. Modica), *Journal of Economic Behavior and Organization*, forthcoming, 2015.
126. "Evolving to the Impatience Trap: The Example of the Farmer-Sheriff Game," (with S. Modica, F. Weinschelbaum and F. Zurita), *AEJ: Microeconomics*, 7: 295-317, 2015.

127. "Dynamics in Stochastic Evolutionary Models," (with S. Modica), *Theoretical Economics*, 1: 89-131, 2016.

WORK IN PROGRESS

1. "Appropriation and Intellectual Property," (with M. Boldrin), *WUSTL*.
2. "Quality Ladders, Competition and Endogenous Growth," (with M. Boldrin), *WUSTL*.
3. "Virtual Model Validation for Economics," *WUSTL*.
4. "Conflict, Evolution, Hegemony, and the Power of the State," (with S. Modica), *WUSTL*.
5. "Market for Degrees and Educational Standards," (with S. Modica), *WUSTL*.
6. "Peer Discipline and the Strength of Organizations," (with S. Modica), *WUSTL*.
7. "Altruism and Self Control," (with A. Dreber, D. Fudenberg and D. Rand), *EUI*.
8. "Collusion, Randomization and Leadership in Groups," (with R. Dutta and S. Modica), *EUI*.
9. "Entertaining Malthus: Bread, Circuses and Economic Growth," (with L. Wu, R. Dutta and N. Papageorge), *EUI*.
10. "Collusion, Randomization, and Leadership in Groups," (with R. Dutta and S. Modica), *EUI*.
11. "Voter Participation with Collusive Parties," (with A. Mattozzi), *EUI*.

DISSERTATIONS CHAIRED AT UCLA

1. [Guido Tabellini](#), 1984, "The Formation of Expectations and Central Bank Behavior," Director, Innocenzo Gasparini Institute for Economic Research (Italy)
2. [Yoon Ha Yoo](#), 1985, "Reputation and Signaling in a Model of Monetary Policy," Senior Research Fellow, Korea Development Institute (Korea)
3. [David Reiffen](#), 1985, "A Model of Heterogeneous Labor Markets," Federal Trade Commission
4. [In Ho Lee](#), 1992, "[Essays on Information Aggregation and Market Crashes](#)," Professor of Economics Seoul National University
5. [Youngse Kim](#), 1992, "[Learning and Equilibrium Selection in Games](#)," Professor, Yonsei University (Korea)
6. [Carolina Leme](#), 1993, "[External Debt and Foreign Direct Investment: The Brazilian Experience](#)," Centro Brasileiro De Analise E Planejamento (Brazil)
7. [Marco Celentani](#), 1993, "[Essays on Reputation](#)," Associate Professor, Carlos III of Madrid (Spain)
8. [Cesar Martinelli](#), 1993, "[Essays on the Political Economy of Economic Reform](#)," Professor, ITAM (Mexico)
9. [Jong-Won Yoon](#), 1994, "[Circuit Breakers and Price Discovery: Theory and Evidence \[2,3,4,6,7,T,A\]](#)," Assistant Secretary to the President of Korea
10. [Graciela Marine-Rodriguez](#), 1995, "[The Role of Counterfactuals in the Foundations of Equilibrium Concepts in Game Theory](#)," Researcher in Corporate Finance and Entrepreneurship, Witten Herdecke University
11. [Josef Perktold](#), 1995, "Asymmetric Information in Markets and In Economic Policy," Visiting Assistant Professor, University of Rochester
12. [Sawoong Kang](#), 1996, "[Essays on Social Learning and Optimal Committee Size](#)," Assistant Professor, Handong University (Korea)
13. [Tessie Su](#), 1997, "Investments in Human Capital, Technology, and Intangible Assets," Economists Incorporated
14. [Phillip Johnson](#), 1997, "[Essays on Capital Markets: Frictions and Social Forces](#)," Econ One
15. [Sara Castellanos](#), 1998, "[Essays on Applied Microeconomic Theory: An Analysis of Mexico's Privatization Mechanisms and Loan market Regulation](#)," Senior Economist, Banco de Mexico
16. [Felipe Zurita](#), 1998, "[Essays on Speculation](#)," Professor Auxiliar, Pontificia Universidad Catolica de Chile
17. [Gerardo Licandro](#), 2000, "[Monetary Policy Coordination, Monetary Integration and Other Essays](#)," Senior economist, Research Department, Central Bank of Uruguay and Associate Professor, Universidad de la Republica, Facultad de Ciencias Sociales, Departamento de Economia

18. [Walter Cont](#), 2001, "[Essays on Contract Design: Delegation and Agency Problems and Monitoring Under Collusion](#)," FIEL, Argentina
19. [Jose Wynne](#), 2001, "[Financial Frictions in Business Cycles, Trade and Growth](#)," Assistant Professor, Duke Fuqua School of Business
20. [Kichool Park](#), 2001, "[Essays on Strategic Experimentation](#)," Assistant Professor, Cornell University
21. [Pedro Dal Bo](#), 2002, "[Three Essays on Repeated Games](#)," Assistant Professor, Brown University
22. [Eric Szu-Wen Chou](#), 2002, "[Flattened Resource Allocation, Hierarch Design and the Boundaries of the Firm](#)," Assistant Professor, National Tsing Hua University Taiwan
23. [Richard Scheelings](#), 2005, "[Essays in Law and Economics](#)," Lecturer, Monash University, Australia
24. [Matias Iaryczower](#), 2005, "[Essays on Political Influence](#)," Assistant Professor, California Institute of Technology
25. [Seda Ertac](#), 2006, "[Essays on Self-Perception and Information Revelation](#)," Assistant Professor, Koc University, Turkey
26. [Mariano Tappata](#), 2006, "[Essays in Industrial Organization](#)," Assistant Professor, University of British Columbia Sauder School of Business
27. [Yi Zhang](#), 2007, "[Three Essays on Herding and Group Reputation](#)," Assistant Professor, Singapore Management University
28. [Paulo Melo-Filho](#), 2007, "[Essays on Political Economy](#)," Post-Doctoral Fellow, Carlos III of Madrid (Spain)
29. [Nina Walton](#), 2008, Assistant Professor, USC Law School
30. [Zacharias Maniadis](#), 2008, "[Essays in Aggregate Information, The Media and Special Interests](#)," Post-Doctoral Fellow, Bocconi University
31. [Viola Chen](#), 2008, "[Essays in Applied Theory](#)," Federal Trade Commission
32. [Guillermo Ordonez](#), 2008, "[Essays on Learning and Macroeconomics](#)," Assistant Professor, Yale University
33. [Jaeok Park](#), 2009, finished under Joseph Ostroy
34. [Matteo Alvisi](#), 2011, "[Essays on the Tragedy of the Anticommons in Complementary-Good Markets](#)" finished under Hugo Hopenhayn, Assistant Professor, Bologna University

DISSERTATIONS CHAIRED AT WUSTL

1. [Jie Zheng](#), 2011, [Essays on Microeconomics with Incomplete Information](#), Assistant Professor, Tsinghua
2. [Dong Chuhl Oh](#), 2011, [Contagion of a Crisis, Corporate Governance and Credit Rationing](#), Researcher, Bank of Korea
3. [Lei Gao](#), 2010 (finance)
4. [Carmen Astorner](#), 2012 [A Game Theoretic Approach to Behavioral Economics](#) Assistant Professor, Memphis
5. [Rohan Dutta](#), 2012 [Essays on the Impact of Commitment on Bargaining and Efficiency](#) Assistant Professor, McGill
6. [Taro Kumano](#), 2012 [Essays on Real Life Assignment Problems](#) Associate Professor, Yokohama National University
7. [Haibo Xu](#), 2013 [Essays on Applied Economic Theory](#), Assistant Professor, Fudan University
8. [Gustavo Torrens](#), 2013 [Essays on Political Economy](#), Assistant Professor, Indiana University
9. [Yi-Yi Chen](#), 2014 Essays in Experimental and Public Economics, Assistant Professor, Feng Chia University, Taiwan
10. [Juan Block](#), 2014, [Essays on Self-Referential Games](#), Postdoctoral Fellow, Cambridge University
11. [Ceyhun Coban](#), 2015, Essays on Microeconomic Theory
12. [Stephanie Heger](#), 2015 Beliefs, Preferences and Traits: Essays on Charitable and Innovative Behavior, Postdoctoral Fellow, University of Sydney

STUDENTS ADVANCED TO CANDIDACY AT WUSTL

1. [Sandip Agarwal](#), 2013

ADVANCED PHD CANDIDATES AT EUI

1. [Nicolas Aragon](#), 2015
2. [Filip Lazaric](#), 2015