

## CURRICULUM VITA

*July 2013*

# Dale T. Mortensen

### PERSONAL DATA:

Born: February 2, 1939 in Enterprise, Oregon  
Died: January 9, 2014 in Wilmette, Illinois  
Married: Beverly Patton Mortensen

### EDUCATION:

Willamette University; B.A. (Economics), 1961  
Carnegie-Mellon University, Ph.D. (Economics), 1967

### EMPLOYMENT:

Northwestern University:  
Assistant Professor of Economics, 1965-71;  
Associate Professor of Economics, 1971-75;  
Professor of Economics, 1975-1985;  
Department of Economics Chair, 1979-1982;  
Professor of Managerial Economics and Decision Sciences, Kellogg School of  
Management, 1980-2014;  
Ida C. Cook Professor of Economics, 1985-2011;  
Board of Trustees Professor, 2011-2014.

### VISITING ACADEMIC APPOINTMENTS:

Fellow, Institute of Advanced Study, Hebrew University, 1979  
Director, Mathematical Methods in the Social Sciences Program, 1982-84, 1992-2000  
Visiting Professor of Economics, Cornell University, Fall, 1984  
Visiting Morgenstern Professor of Economics, New York University Spring 1985  
Visiting Professor of Economics, Hebrew University, Summer, 1985  
Visiting Economist, Central Institute of Mathematics-Economics, USSR Academy of  
Sciences, Moscow, USSR Summer 1989  
Visiting Professor of Economics, Department of Economics and the British Household  
Panel Study, University of Essex, Wivenhoe Park, Colchester, U.K., Fall 1993.  
Visiting Professor of Economics, California Institute of Technology, Winter 1994.  
Visiting Fellow, Economics Program, Research School of Social Sciences, The  
Australian National University, Summer 1996.  
Visiting Researcher, Centre for Labor Market and Social Research, Aarhus University,  
April-September 1998.

Research Fellow, Institute for the Study of Labor (IZA), Bonn Germany, 2001-2014  
Research Associate of the National Bureau of Economic Research, Cambridge MA,  
2005-2014  
Niels Bohr Visiting Professor of Economics, Aarhus University, 2006-2010

**PROFESSIONAL ACTIVITY:**

Member of American Economics Association, Econometric Society, Society of  
Economic Dynamics, Society of Labor Economics  
*American Economic Review* Board of Editors, 1988-90  
AEA Advisory Board to the U.S. Bureau of Census, 1987-1993  
Advisory Board of the Tinbergen Institute, Amsterdam, The Netherlands, 1995-2001  
President of the Society for Economic Dynamics, 1995-2000.  
Editorial Advisory Board, *Review of Economic Dynamics*, 1997-  
Advisory Board of the Aarhus Institute of Advanced Studies, 2013-2014

**GRANTS:**

National Science Foundation (with F. Brechling), "Dynamics of Employment," 1968-72.

United States Department of Labor, "Job Matching," Summer 1973.

United States Department of Labor, "Middlemen in the Labor Market," Summer 1974.

National Science Foundation (with K. Burdett) "Collaborative Research On Theories of  
Job-Worker Matching," June 1977-Sept 1979.

National Science Foundation (with K. Burdett), Collaborative Research on "Information,  
Uncertainty, and Labor Market Equilibrium," March 1980-Sept 1982.

National Commission on Employment Policy (with G. Neumann, N. Kiefer, and K.  
Burdett), "The Natural Rate of Unemployment: Theory, Estimation, and Policy,"  
May 1980 - May 1982.

United States Department of Labor (with G. Neumann), "Job Transitions," Oct. 1983-  
Oct. 1984.

National Science Foundation (with G. Neumann), "Collaborative Research in Theoretical  
and Empirical Methods in Applied Statistical Dynamic Programming, September  
1985-February 1987.

National Science Foundation, "The Role of Allocative Shocks in Labor Market  
Equilibrium," July 1993 - June 1995.

National Science Foundation, "Recursive Competitive Search Equilibrium: Labor Market Applications," July 1995-July 1997, SBR-9511111

National Science Foundation, "Modeling Matched Job-Worker Flow Data," July 1999-July 2002, SES-9975207.

National Science Foundation, (with R. Lentz), "Collaborative Research on Productivity Differences, Firm Evolution and Worker Reallocation," July 2005 – July, 2008.

### **PROFESSIONAL HONORS AND LECTURES:**

Fellow of the Institute of Advanced Studies, Hebrew University 1977-78.

Fellow of the Econometric Society, elected in 1979.

Plenary Speaker, Society for Economic Dynamics and Control, Montreal, June 1992.

President of the Society for Economic Dynamics and Control, 1995-2000

Keynote Speaker, New Zealand Association of Economics, Auckland, August 1996.

Keynote Speaker, European Association of Labor Economics, Crete, September 1996.

Fellow of American Academy of Arts and Sciences, elected 2000

Zeuthen Lecturer, University of Copenhagen, November 2000

Mackintosh Lecture, Queens University, March 2002

Schumpeter Lecture Series, Humboldt University, June 2002

Klein Lecture, University of Pennsylvania, April 2004

Marshall Lecture, European Economic Association Meeting, Madrid Spain, August 2004.

Fellow of the European Economic Association, elected in 2005

Lansdowne Lecture, University of Victoria, March 2005.

Fellow of the Society for Labor Economics, elected in 2005.

IZA Labor Economics Prize, 2005

Society of Labor Economics Mincer Prize, 2007

American Economic Association Distinguished Fellow, 2008

Steine Lecture, Vanderbilt University, April 2010

Sveriges Riksbank Prize in Economic Sciences in Memory of Alfred Nobel, 2010

Distinguished Alumni Citation, Willamette University, 2011

Willamette University; Honorary Doctor of Science, 2011

Gillis Lecture, Willamette University, September 2011

Lucia Lecture on Public Policy, Villanova University, October 2011

Georgescu-Roegen Lecture, Sewanee University, March 1, 2012

Public Lecture, University of Melbourne, July 2013

Fellow of the Economists for Peace in Society, elected in 2013

Member of the National Academy of Sciences, elected in 2013

Member of the Royal Danish Academy of Science and Letters, elected in 2013

Economic Theory Fellow, elected 2013

## RESEARCH CONTRIBUTIONS:

### BOOKS:

1. *Wage Dispersion: Why are Similar People Paid Differently*. MIT Press. Hardback edition, 2003. Paper back edition, 2004. Polish edition, 2011.
2. *Search, Matching, Wage Dispersion, and Unemployment* (with C.A. Pissarides), Oxford University Press, 2011.

### ARTICLES IN BOOKS AND CONFERENCE VOLUMES:

1. "A theory of wage and employment dynamics" in E.S. Phelps et.al., Microeconomic Foundations of Employment and Inflation Theory, New York: W.W. Norton and Co., Inc., 1970, pp. 167-211.
2. "Job matching under imperfect information," in Orley Ashenfelter, ed., Evaluating The Labor Market Effects of Social Programs, Princeton, N.J.: Princeton university press, 1976.
3. "The matching process as a non-cooperative/bargaining game," in J.J. Mccall, ed., The Economics of Information and Uncertainty, New York: NBER Conference Volume, 1982.
4. Steady states as natural rates in a dynamic labor supply model" (joint with K. Burdett, N. Kiefer, and G. Neumann) in G. Neumann and N. Westergaard-Nielsen, eds., Labor Market Dynamics. Heidelberg: Springer-Verlag, 1984.
5. "Choice of chance? A structural interpretation of individual labor market histories" (joint with G. Neumann), in G. Neumann and N. Westergaard-Nielsen, eds., Labor Market Dynamics. Heidelberg: Springer-Verlag, 1984.
6. "Job search and labor market analysis" in O. Ashenfelter and R. Layard, eds., Handbook of Labor Economics. Amsterdam: Elsevier Science Publishers, 1986.
7. "Estimating structural models of unemployment and job duration" (with G. Neumann) in Dynamic Econometric Modeling, Proceedings of the Third International Symposia in Economic Theory and Econometrics edited by W. A. Barnett, E. Berndt, and H. White. Cambridge: Cambridge University Press, 1988.
8. "Interfirm mobility and earnings" (with G. Neumann) in Neumann and Kiefer, Search Theory and Applied Labor Economic, 1988, pp 247-283.
9. "A structural model of UI benefit effects on the incidence and duration of unemployment" in Advances in the Theory and Measurement of Unemployment, G. Fishelson and Y. Weiss, eds., Macmillan Press, 1990.

10. "Equilibrium Wage Distributions: A Synthesis" in J. Hartog, G. Ridder, and J. Theeuwes, eds, Panel Data and Labor Market Studies. Amsterdam: North Holland, 1990.
11. "The cyclical behavior of job creation and job destruction" (joint with C.A. Pissarides), in Ours, J.C., Pfann, G.A., and Ridder, G., (eds.), Labour Demand and Equilibrium Wage Formation, Amsterdam, North-Holland, 1993.
12. "Information sources and equilibrium wage outcome" (joint with Tara Vishwanath) in Bunzel, H., Jensen, P., and Westergard-Nielsen, N., (eds.), Panel Data and Labour Market Dynamics, North-Holland, 1993.
13. "Job and worker flows in U.S. Manufacturing" in Bunzel, H., Jensen, P., and Westergard-Nielsen, N., (eds.), Panel Data and Labour Market Dynamics. Amsterdam: North-Holland, 1993.
14. "Reducing supply side disincentives to job creation" in Reducing Unemployment: Current Issues and Policy Options, Federal Research Bank of Kansas City, 1994.
15. "The unemployment and income effects of active labor market policy: The Case of the U.K." in H. von Christian Drager, P. Pissulla, and A. W. von Czege (eds), More Competition, More Jobs - Is Full Employment an Illusion?. Baden-Baden: Nomos Verlagsgesellschaft, 1996.
16. "The unemployment and welfare effects of labour market policy: A Comparison of the U.S. and U.K" (with S.P. Millard) in D. Snower and G. de la Dehesa (eds.), Unemployment Policy: How Should Governments Respond to Unemployment? Cambridge: Cambridge University Press, 1997.
17. "Job reallocation and employment fluctuations" (with C.A. Pissarides) Centre for Economic Performance Discussion Paper No. 421, and in M. Woodford and J.B. Taylor, eds, Handbook of Macro Economics vol 1: 1171-1227. Amsterdam: Elsevier Science, 1999.
18. "New developments in models of search in the labor market" (with C.A. Pissarides), in O. Ashenfelter and D. Card, eds., Handbook of Labor Economics vol 3: 2567-2627. Amsterdam: Elsevier Science, 1999.
19. "Equilibrium unemployment with wage posting: Burdett-Mortensen meets Pissarides" in H. Bunzel, B.J. Christiansen, P. Jensen, N.M. Kiefer and D.T. Mortensen, eds., Panel Data and Structural Labor Market Models,. Amsterdam: Elsevier, 2000.
20. "An Introduction to Panel Data and Structural Labour Market Models," in H. Bunzel, B.J. Christiansen, P. Jensen, N.M. Kiefer and D.T. Mortensen, eds., Panel Data and Structural Labor Market Models, . Amsterdam: Elsevier, 2000.

21. "How Monopsonistic is the (Danish) Labor Market?" in P.Aghion, R.Frydman, J. Stiglitz and M. Woodford, eds., Knowledge, Information and Expectations in Modern Macroeconomics: In Honor of Edmund S. Phelps, Princeton University Press, 2003.
22. "Taxes, Subsidies and Equilibrium Market Outcomes" (with C.A. Pissarides) in E.S.Phelps, ed., Designing Inclusion: Tools to Raise Low-end Pay and Employment in Private Enterprise. Cambridge: Cambridge University Press, 2003.
23. "Markets with Search Friction and the DMP Model" and "Autobiography of Dale T. Mortensen" in *Les Prix Nobel*, The Nobel Foundation: 2011.

#### **PUBLISHED JOURNAL ARTICLES:**

1. "Job search, the duration of unemployment and the Phillips curve," American Economic Review, LX (December, 1970), pp. 847-862.
2. "Job search, the duration of unemployment and the Phillips curve: reply," American Economic Review, LXII (September, 1972).
3. "Generalized costs of adjustment and dynamic factor demand theory," Econometrica, vol. 41, No.4.(July,1973), pp. 657-665.
4. "Unemployment insurance and labor supply decisions," Symposium on the Economics of Unemployment Insurance, Industrial Labor Relations Review, 30 (1977): 505-517.
5. "Labor supply under uncertainty" (with k. Burdett), in R.G. Ehrenberg, ed., Research in Labor Economics 2 (1978):109-158 Reprinted in Polachek and Tatsiramos, eds., 35<sup>th</sup> Anniversary Retrospective, Research in Labor Economics, 35(2012): 5-54.
6. "Specific capital and labor turnover," The Bell Journal of Economics, 9 (1978), pp., 572-586.
7. "Search, layoffs and labor market equilibrium," (with K. Burdett), Journal of Political Economy, 88 (1980), pp. 652-672.
8. "Testing for ability in a competitive labor market," (with K. Burdett) Journal of Economic Theory, 25 (1981), pp 42-66.
9. "Property rights and efficiency in mating, racing and related games," American Economic Review, 72 (1982), 968-979.
10. "A welfare analysis of unemployment insurance: variations on second best themes," Carnegie-Rochester Conference Series on Public Policy, 19 (August, 1983), 67-98.

11. "Earnings, unemployment, and the allocation of time over time" (joint with K. Burdett, N. Kiefer and G. Neumann), Review of Economic Studies, vol. LI(4) no. 176, August, 1984.
12. "Matching: Finding a partner for life or otherwise", American Journal of Sociology 94, Supplement 1988.
13. "Wages, separations, and job tenure: on the job specific training or matching?" Journal of Labor Economics, 6:4, October, 1988.
14. "The persistence and indeterminacy of unemployment in search equilibrium," Scandinavian Journal of Economics, 91:2, 1989.
15. "Search theory and macroeconomics: A review essay," Journal of Monetary Economics 29:1, February, 1992.
16. "Equilibrio de busqueda y ciclos economicos reales," Cuadernos Economicos, Numero 51, 1992.
17. "Information sources and equilibrium wage outcomes: It is who you know!," (joint with Tara Vishwanath). Labour Economics (1994) **1**, 187-201.
18. "Job creation and job destruction in the theory of unemployment," (joint with Christopher Pissarides). Review of Economic Studies (1994) **61**, 397-415.
19. "The cyclical behavior of job and worker flows," Journal of Economic Dynamics and Control (1994) **18**, 1121-1142.
20. "Unemployment insurance, labor-market dynamics, and social welfare: A comment" in A.H. Meltzer and C.I. Plosser (eds.), Carnegie-Rochester Conference Series on Public Policy 44 (June, 1996).
21. "Technical Progress, Job Creation and Job Destruction" (joint with C. A. Pissarides), Review of Economic Dynamics (January 1998) **1**: 733-753.
22. "Wage differentials, employer size and unemployment" (joint with K. Burdett), International Economic Review (May 1998) **39**: 257-273.
23. "Hedonic wages and labor market search" (with W. Robert Reed and Hae-shin Hwang), Journal of Labor Economics (October 1998) **16**: 815-47.
24. "Wages, work and unemployment" (with A.K.G. Hildreth, S.P. Millard, M.P. Taylor) Applied Economics (Nov 1998) **30**: 1531 – 1547.
25. "Unemployment responses to 'skill biased' shocks: The role of labor market policy" (with C. A. Pissarides), Economic Journal (April 1999) **109**: 242-265.

26. "Equilibrium Unemployment Dynamics," International Economic Review (November 1999): 40: 889-914.
27. "Competitive Pricing and Efficiency in Search Equilibrium" (joint with Randall Wright), International Economic Review (February 2002) 43: 1-20.
28. "On-the-job Search and the Distribution of Wages" (joint with B.J Christiansen, R. Lentz, G. Neumann, and A. Werwatz.). Journal of Labor Economics (January 2005) 23: 31-58.
29. "A Comment on 'Price Dispersion, Inflation, and Welfare' by A. Head and A. Kumar." International Economic Review (May 2005) 46, no. 2:: 573-578.
30. "Growth, Unemployment and Labor Market Policy," Journal of the European Economic Association (April-May 2005) 3: 236-258.
31. "Productivity Growth and Worker Reallocation" (joint with Rasmus Lentz), International Economic Review (June 2005) 46, no.3: 731-751.
32. "More on Unemployment and Vacancy Fluctuations," (with E. Nagypál) Review of Economic Dynamics 10, 3 (July 2007), 327-347.
33. "Labor-market Volatility in Matching Models with Endogenous Separations," (with E. Nagypál) Scandinavian Journal of Economics, Vol. 109, No. 4. (December, 2007), pp. 645-665.
34. "An Empirical Model of Growth Through Product Innovation." (joint with R. Lentz) Econometrica, Vol. 76, No. 6 (November, 2008), 1317-1373.
35. "Island Matching." Journal of Economic Theory 144 (2009) 2336-2353.
36. "Wage Dispersion in the Search and Matching Model," American Economic Review 100 (May, 2010):338-342.
37. "Labor Market Models of Firm and Worker Heterogeneity" (with R. Lentz), Annual Review of Economics (2010) 2:577-602.
38. "Markets with Search Friction and the DMP Model," 2010 Nobel Lecture, American Economic Review 101 (July, 2011): 1074-1093.
39. "After The Great Recession: Recovery or Stagnation," Insights 12(November 2012): 5-11.



40. "Introduction to "Labor Supply Under Uncertainty" 35 Years On," (with K. Burdett) in Polacheck and Tatsiramos eds., Research in Labor Economics 35<sup>th</sup> Anniversary Retrospective, 35(2012): 1-3.

**FORTHCOMING PAPERS AND WORK IN PROGRESS:**

1. "Unemployment During and After the Great Recession," forthcoming in Robert Solow and Janice Murray, eds., *Lindau Nobel Economics Project*, Palgrave Macmillan
2. "Labor Market Friction, Firm Heterogeneity, and Aggregate Employment and Productivity," (with R. Lentz).
3. "Optimal Growth Through Product Innovation," (with R. Lentz).
4. "Equilibrium Wage and Employment Dynamics in a Model of Wage Posting without Commitment (with M.C. Coles), IZA Working Paper #5900.
5. "Wage and Productivity Dispersion: Input Differences or Labor Market Friction?" (with J. Bagger and B.J. Christensen).
6. "Equilibrium Labor Turnover, Firm Growth and Unemployment," (with M.C. Coles)

**PROFESSIONAL ACTIVITIES:**

**A. Referee For:**

American Economic Review  
Econometrica  
Industrial and Labor Relations Review  
Journal of Economic Theory  
Journal of Labor Economics  
Journal of Political Economy  
NSF Review Panel  
Quarterly Journal of Economics  
Review of Economics and Statistics  
Journal of Human Resources  
Journal of Economic Dynamics and Control  
Journal of Business  
Journal of Law, Economics, and Organization  
European Economic Review  
Labour Economics  
Review of Economic Dynamics  
International Economic Review

**B. Committees:**

- Program Committee and Session Chairman for the annual meeting of the American Economic Association, Denver, Colorado, September, 1980.
- American Economic Association Committee on Honors and Awards, 1980-83.
- Program Committee Chairman, Summer North American meeting of the Econometric Society, Evanston, IL, June, 1983.
- Census Advisory Committee, American Economic Association, 1988-
- Program Committee for the Minneapolis meeting of the Society of Economic Dynamics and Control, , June 1990.
- Program Committee for the Los Angeles meeting of the Society of Economic Dynamics and Control, June 1994.
- Program Committee for the Mexico City meeting of the Society of Economic Dynamics and Control, June 1996.
- Program Committee for the Paris meeting of the Society of Economic Dynamics and Control, June 2003.
- Program Committee for the American Economic Association Annual Meeting, January 2010.

**UNIVERSITY SERVICE:**

**A. Northwestern University committees:**

- University grants committee, 1978-82
- Faculty planning committee, 1978-80
- Evans professor committee, 1987-90
- General faculty committee, 1990-93
- Chair of GFC Budget and Finance Committee, 1991-93 and 1992-93

**B. College of Arts and Sciences appointments and committees:**

- Dean's advisory committee, 1976
- Director of the Mathematical Methods in the Social Sciences Program, 1982-84
- CAS Budget committee, 1986-90
- Director of the Mathematical Methods in the Social Sciences Program, 1992-2000
- CAS Promotion and Tenure Committee, 1995-98

**C. Department of Economics offices and committees:**

- Director of admissions and financial aid, 1966-71
- Recruiting committee, chairman and member, 1976-79
- Director of graduate studies; 1973,1979
- Graduate studies committee, member 1976-79
- Department chair, 1979-82
- Chair, senior recruiting, 1986-88
- Senior recruiting committee, 1983-1992
- Chair, junior recruiting committee, 1996-1997
- Junior recruiting committee, 2000
- Chair, undergraduate studies committee, 1999-2006