

## **PER KRUSELL**

### **Address**

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### **Professional Experience**

2004– Professor of Economics, Princeton University.  
2001–04 Professor of Economics, University of Rochester.  
2002– Visiting Professor at the Institute for International Economic Studies, Sweden.  
2007– Research consultant, Federal Reserve Bank of New York.  
2006– Research consultant, Federal Reserve Bank of Philadelphia.  
2000– Research consultant, Federal Reserve Bank of Richmond.  
1997–2001 Associate Professor (with tenure), University of Rochester.  
1994–97 Assistant Professor, University of Rochester.  
1993–94 Assistant Professor, University of Pennsylvania.  
1991–93 Assistant Professor, Northwestern University.

### **Other Affiliations**

2003– Research Affiliate, National Bureau of Economic Research.  
2003– Research Affiliate, Centro de Altísimos Estudios Ríos-Perez.  
2002–2004 Co-Director, Wallis Institute of Political Economy, University of Rochester.  
1999–2004 Director, Center for the Study of Economic Growth and Cycles, University of Rochester.  
1996– Centre for Economic Policy Research, Research Affiliate; 2001–, Research Fellow in the International Macro and in the Public Economics programmes; 2006– Programme Director in the International Macro programme.

### **Education**

1992 PhD in Economics, University of Minnesota (March).  
1984 BA Equivalent, Stockholm School of Economics.

### **Awards and Honors**

2007 The Söderberg Prize.  
2006– Fellow of the Econometric Society.  
2005– Member of the Advisory Board for the Laboratory for Aggregate Economics and Finance, Santa Barbara.  
2004– Member of the Scientific Advisory Board for The Institute for Advanced Studies, Vienna.  
2003– Member of the Scientific Advisory Board for CREI, Barcelona.  
2003– Member of the Royal Swedish Academy of Sciences.  
2003– Member of the Prize Committee for The Bank of Sweden Prize in Economic Sciences in Memory of Alfred Nobel (adjunct member 2003–04).  
2006 National Science Foundation Grant for three years.  
2001 National Science Foundation Grant for three years.  
1998 National Science Foundation Grant for three years.  
1994 National Science Foundation Grant for three years (extended for one additional year).

1994 Grant from the University of Pennsylvania Research Foundation.  
1991 Invited participant in the *Review of Economic Studies Tour*.  
1991 Teaching award at the University of Minnesota.  
1990 Singles Champion, Federal Reserve Bank of Minneapolis Pool Championship.  
1986–1989 Tuition Grant, University of Minnesota.  
1986 Scholarship from the Royal Swedish Academy of Sciences.  
1986 Stockholm School of Economics grant for studies in the U.S.  
1986–1989 Fulbright Grant.  
1986 Hierta Foundation Grant for studies in the U.S.

### **Visits and short courses, invited lectures**

2007. Oslo University, lectures on the macroeconomics of labor markets.  
2006. Yale University, lecture on dynamic macroeconomic policymaking.  
2006. University of Porto, Portugal, 1-week course in advanced macroeconomics.  
2005. Econometric Society World Congress, London, Invited Symposium in macroeconomics.  
2005. Ohio State University, Invited Lecture in macroeconomics.  
2005. Yhrjö Jahansson Foundation, 3-day lecture series on economic growth.  
2004. Université Libre de Bruxelles, 1-week course in macroeconomics.  
2004. Comparative Social Science program, Oslo University, 1-week course in macroeconomics.  
2003. University of Texas, Austin, 3-day course in advanced macroeconomics.  
2002–03. New York University, Department of Economics, visitor.  
1992–1996. Part-time visitor and teacher in the Graduate Economics Program, Universitat Pompeu Fabra, Barcelona.  
1986–87, 1990–1991 Visitor Research, Federal Reserve Bank of Minneapolis.

### **Reviewing activities**

Editorial positions: 2000–, Editor, *BE Journals in Macroeconomics*; 1996–2000 Associate Editor, *Macroeconomic Dynamics*; 1996–2004 Associate Editor, *Review of Economic Dynamics*; 2004– Foreign Editor of the *Review of Economic Studies*; 2005– Associate Editor, *Econometrica*.

Referee for: *American Economic Review*, *American Political Science Review*, *Canadian Journal of Economics*, *Econometrica*, *Economic Inquiry*, *Economic Journal*, *Economic Theory*, *European Economic Review*, *European Journal of Political Economy*, *International Economic Review*, *Journal of Business and Economic Statistics*, *Journal of Development Economics*, *Journal of Economic Dynamics and Control*, *Journal of Economic Growth*, *Journal of Economic Theory*, *Journal of Labor Economics*, *Journal of Monetary Economics*, *Journal of Money, Credit, and Banking*, *Journal of Political Economy*, *National Research Council*, *National Science Foundation*, *Oxford Economic Papers*, *Quarterly Journal of Economics*, *Review of Economics and Statistics*, *Review of Economic Studies*, *Scandinavian Journal of Economics*.

### **Publications**

*Published or forthcoming*

#### A. Publications in refereed academic journals

1. 2008. “Time-Consistent Public Expenditures” (joint with Paul Klein and José-Víctor Ríos-Rull). Forthcoming, *Review of Economic Studies*.

2. 2008. “Aggregation and Aggregation” (joint with Marina Azzimonti Renzo and Eva de Francisco). Forthcoming, *Journal of European Economic Association*.
3. 2007. “Production Subsidies and Redistribution” (joint with Marina Azzimonti Renzo and Eva de Francisco). Forthcoming, *Journal of Economic Theory*.
4. 2007. “Vintage Capital in Frictional Labor Markets” (joint with Andreas Hornstein and Giovanni Violante). *Review of Economic Studies* 74:4, 1089–1124.
5. 2007. “Growth Accounting with Investment-Specific Technological Progress: A Discussion of Two Approaches” (joint with Jeremy Greenwood). *Journal of Monetary Economics* 54:4, 1300–1310.
6. 2006. “Median-Voter Equilibria in the Neoclassical Growth Model under Aggregation” (joint with Marina Azzimonti Renzo and Eva de Francisco). *Scandinavian Journal of Economics* 108(4), 587–606.
7. 2005. “The Dynamics of Government: A Positive Analysis” (joint with John Hassler, Kjetil Storesletten, and Fabrizio Zilibotti). *Journal of Monetary Economics*, 52:7, 1331–1358.
8. 2005. “The Replacement Problem in Frictional Economies: A Near-Equivalence Result” (joint with Andreas Hornstein and Giovanni Violante). *Journal of European Economic Association*, 3:5, 1007–1057.
9. 2003. “Consumption-Savings Decisions with Quasi-Geometric Discounting” (joint with Anthony Smith). *Econometrica*, 71, 365–375.
10. 2002. “Politico-Economic Transition” (joint with José-Víctor Ríos-Rull). Forthcoming in the *Review of Economic Design*, 7:3, 309–329.
11. 2002. “The Effects of Heterogeneity on the Macroeconomy: A Policy Channel”. *European Economic Review*, 46, 755–769.
12. 2002. “Time Orientation and Asset Prices” (joint with Anthony Smith and Burhanettin Kuruşçu). *Journal of Monetary Economics*, 49, 107–135.
13. 2002. “Equilibrium Welfare and Government Policy with Quasi-Geometric Discounting” (joint with Anthony Smith and Burhanettin Kuruşçu). *Journal of Economic Theory*, 105, 42–72.
14. 2000. “Tax Policy With Quasi-Geometric Discounting” (joint with Burhanettin Kuruşçu and Anthony Smith). *International Economic Journal*, 14:3, 1–40 (lead article).
15. 2000. “Capital-Skill Complementarity and Inequality” (joint with Lee Ohanian, José-Víctor Ríos-Rull, and Giovanni Violante). *Econometrica*, 68:5, 1029–1054 (lead article).
16. 2000. “The Role of Investment-Specific Technological Change in the Business Cycle” (joint with Jeremy Greenwood and Zvi Hercowitz). *European Economic Review*, 44, 91–115.
17. 1999. “On the Size of Government: Political Economy in the Neoclassical Growth Model” (joint with José-Víctor Ríos-Rull). *American Economic Review*, 89:5, 1156–1181.
18. 1998. “On the Welfare Effects of Eliminating Business Cycles” (joint with Anthony Smith). *Review of Economic Dynamics*, 2:1, 245–272.

19. 1998. "Investment-Specific R&D and the Decline in the Relative Price of Capital". *Journal of Economic Growth*, 3:2, 131–141.
20. 1998. "Income and Wealth Heterogeneity in the Macroeconomy" (joint with Anthony Smith). *Journal of Political Economy*, 106:5, 867–896 (lead article).
21. 1997. "Politico-Economic Equilibrium and Economic Growth" (joint with Vincenzo Quadrini and José-Víctor Ríos-Rull). *Journal of Economic Dynamics and Control*, 21:1, 243–272.
22. 1997. "Long-Run Implications of Investment-Specific Technological Change" (joint with Jeremy Greenwood and Zvi Hercowitz). *American Economic Review*, 87:3, 342–362.
23. 1997. "Income and Wealth Heterogeneity, Portfolio Choice, and Equilibrium Asset Returns" (joint with Anthony Smith). *Macroeconomic Dynamics*, 1:2.
24. 1996. "Are Consumption Taxes Really Better Than Income Taxes?" (joint with Vincenzo Quadrini and José-Víctor Ríos-Rull). *Journal of Monetary Economics* 37:3, 475–504.
25. 1996. "Can Technology Improvements Cause Productivity Slowdowns?" (joint with Andreas Hornstein). *NBER Macroeconomics Annual* 11, 209–259.
26. 1996. "Vested Interests in a Positive Theory of Stagnation and Growth" (joint with José-Víctor Ríos-Rull). *Review of Economic Studies* 63, 301–331.
27. 1996. "Rules of Thumb in Macroeconomic Equilibrium: A Quantitative Analysis" (joint with Anthony Smith). *Journal of Economic Dynamics and Control* 20:4, 527–558 (lead article).
28. 1993. "Money and Insurance in a Turnpike Environment" (joint with Andreas Hornstein). *Economic Theory* 3, 19–34.

B. Papers in volumes and nonacademic journals, discussions etc.

29. 2006. "Intertemporal Tradeoffs in Macroeconomic Policymaking" (joint with Lars Calmfors, Bertil Holmlund, and Karl-Gustav Löfgren), *Ekonomisk Debatt*, 34:8, 4–15 (in Swedish).
30. 2006. "Quantitative Macroeconomic Models with Heterogeneous Agents" (joint with Anthony A. Smith, Jr.); in Blundell, R., Newey, W., and Persson, T. (eds), *Advances in Economics and Econometrics: Theory and Applications, Ninth World Congress, Econometric Society Monographs*, 41, Cambridge University Press, 298–340.
31. 2005. "Unemployment and Vacancy Fluctuations in the Matching Model: Inspecting the Mechanism" (joint with Andreas Hornstein and Gianluca Violante). *Federal Reserve Bank of Richmond Economic Quarterly* 91:3, 19–51.
32. 2005. "The Effects of Technical Change on Labor Market Inequalities" (joint with Andreas Hornstein and Gianluca Violante). In *Handbook of Economic Growth*, eds. Philippe Aghion and Stephen Durlauf, 1(2), 1275–1370.
33. 2004. "Business Cycles and Economic Policy" (joint with Lars Calmfors and Torsten Persson), *Ekonomisk Debatt* 32:8, 7–23 (in Swedish).
34. 2003. "Implications of the Capital-Embodiment Revolution for Directed R&D and Wage Inequality" (joint with Andreas Hornstein). Forthcoming in the *Federal Reserve Bank of Richmond Economic Quarterly*.

35. 2002. “Public-Expenditure Policy and Time Inconsistency” (joint with Paul Klein and José-Víctor Ríos-Rull), *Ekonomisk Debatt* 30:1, 53–60 (in Swedish).
36. 2001. “New technology and productivity: A macroeconomic perspective.” In *European Economy. European Commission. Directorate-General for Economic and Financial Affairs. Reports and Studies. Current Issues in Economic Growth*. No.1 2001.
37. 2000. “The IT Revolution: Is It Evident in the Productivity Numbers?” (joint with Andreas Hornstein). *Federal Reserve Bank of Richmond Economic Quarterly* 86:4, 49–78.
38. 2000. “Simulation-Based Estimation of a Nonlinear, Latent Factor Aggregate Production Function” (joint with Lee Ohanian, Gianluca Violante, and José-Víctor Ríos-Rull). In *Simulation-Based Inference in Econometrics: Theory and Applications* (editors R. S. Mariano, T. Shuermann, and M. Weeks), Cambridge, UK: Cambridge University Press.
39. 2000. “New Technology and Productivity: What Do We Know?”, *Ekonomisk Debatt* 28:6, 567–574 (in Swedish).
40. 1997. Discussion of Charles R. Hulten’s “Quality Change in the CPI: The Neglected Cost Dimension”. *Federal Reserve Bank of St. Louis Review* 79:3, 107–111.
41. 1996. “Endogenous Tax Policy Determination and the Distribution of Wealth. A Comment”. *Carnegie-Rochester Conference Series on Public Policy* 45, 243–252.
42. 1989. “Stability or Growth? A Theory Survey” in the *Annual Report of the Economic Council, Department of Finance, Konjunkturinstitutet* (in Swedish).
43. 1984. “Measuring the Stock of Money” (joint with Peter Englund), *Ekonomisk Debatt* 12:5 (in Swedish).

Submissions, second round or more

44. “On the Optimal Timing of Capital Taxes” (joint with John Hassler, Kjetil Storesletten, and Fabrizio Zilibotti) revise and resubmit, *Journal of Monetary Economics*.
45. “Constrained Efficiency in the One-Sector Neoclassical Growth Model with Uninsurable Idiosyncratic Shocks” (joint with Julio Davila, Jay Hong, and José-Víctor Ríos-Rull), revise and resubmit, *Econometrica*.
46. “On the Long-Run Distribution of R&D across Firms”, revise and resubmit, *Quarterly Journal of Economics*.

Working papers (completed and submitted)

47. “Temptation and Taxation” (joint with Burhanettin Kuruşçu and Anthony Smith).
48. “Frictional Wage Dispersion in Search Models: A Quantitative Assessment” (joint with Andreas Hornstein and Gianluca Violante).
49. “Labor-Market Matching with Precautionary Savings and Aggregate Fluctuations” (joint with Toshihiko Mukoyama and Ayşegül Şahin).

50. “The Aggregate Implications of Indivisible Labor, Incomplete Markets, and Frictions” (joint with Toshihiko Mukoyama, Richard Rogerson, and Ayşegül Şahin).
51. “Modelling Capital in Matching Models: Implications for Unemployment Fluctuations” (joint with Andreas Hornstein and Gianluca Violante).

*Working papers (in progress)*

52. “Vintage Capital and Skill Differences in a Labor Market with Search” (joint with Andreas Hornstein and Giovanni Violante).
53. “Asset Pricing with Quasi-Geometric Discounting and Epstein-Zin Preferences” (joint with Burhanettin Kuruscu and Anthony Smith).
54. “The RBC Model with Quasi-Geometric Discounting: An Essay on Methodological and Fiscal Policy Issues” (joint with Zvi Hercowitz).
55. “Equilibrium Asset Trading with Incompletely Revealed Information” (joint with Juan Carlos Hatchondo and Martin Schneider).
56. “Revisiting the Welfare Effects of Eliminating Business Cycles” (joint with Toshihiko Mukoyama, Ayşegül Şahin, and Anthony A. Smith, Jr.).
57. “Policymaking without Commitment” (joint with Marina Azzimonti Renzo, Eva de Francisco, and José-Víctor Ríos-Rull).
58. “Time-Consistent Debt” (joint with Fernando Martin and José-Víctor Ríos-Rull).
59. “Consumption-Savings Decisions with Quasi-Geometric Discounting: The Case with a Discrete Domain” (joint with Anthony Smith).
60. “Inequality in Culture Consumption” (joint with Ulrika Stavlöt).
61. “Asset Prices in a Huggett Economy” (joint with Toshihiko Mukoyama and Anthony A. Smith, Jr.).
62. “Self Control, Markets, and Aggregate Savings” (joint with Sebastian Ludmer).
63. “Asymmetric Information and Signal Extraction among Entrepreneurs in a Competitive Economy” (with Anthony A. Smith, Jr.).
64. “The World Distribution of Income: Country TFP choice in a Nelson-Phelps Economy” (joint with Erika Färnstrand Damsgaard).

### **Graduate student supervision**

At the *University of Pennsylvania*: Vincenzo Quadrini (USC; secondary advisor to Ríos-Rull) and Giovanni Violante (NYU; secondary advisor to Ríos-Rull and Ohanian). At the *University of Rochester*: John Knowles (UPenn Econ), Julie Somers (consulting company; joint with Eric Hanushek), Sylvain Leduc (Philadelphia Fed; joint with Alan Stockman), Carl Heiberg (Danish government), Luca Dedola (Banca d’Italia, ECB), Rui Castro (UMontreal),

Daniele Coen-Pirani (Carnegie Mellon), Marla Ripoll (UPittsburgh), Ruben Hernandez-Murillo (St Louis Fed), Juan Carlos Cordoba (Rice), Dror Goldberg (Texas A&M), Burhanettin Kuruşçu (Texas Austin), Claudio Campanale (U Alicante), Eva de Francisco (Congressional Budget Office), Leonardo Martínez (Richmond Fed), Marina Azzimonti (U of Iowa), Fernando Leiva (U of Iowa), Po-Han Fong (Concordia), Juan Carlos Hatchondo (Richmond Fed), Gabriel Cuadra (Central Bank, Mexico), Horacio Sapriza (Rutgers Business School), Manuel Toledo (Universidad Carlos III), Roman Sysuyev. At the *Institute for International Economic Studies*: Ulrika Stavlöt (CIEPS), Jose Mauricio Prado (IMT Lucca), Christina Håkanson, Johan Gars, Andreas Müller. At *Princeton University*: Filip Matejka, Tamas Papp, Alisdair McKay.