KIEL INSTITUTE ADVANCED STUDIES PROGRAM
SUMMER 2010

LABOUR MARKET ECONOMICS: SKILLS, TECHNOLOGIES, TRADE AND WAGES
DAVID AUTOR, MIT AND NBER

1. **The Theory of Skill Premia with an Application to Wage Structure Changes**

* Acemoglu, Daron. "Technical Change, Inequality and the Labor Market." *Journal of Economic Literature*, 40, 2002, 7-72.

* Acemoglu, Daron, David Autor and David Lyle. 2004. "Women, War, and Wages: The Effect of Female Labor Supply on the Wage Structure at Midcentury." *Journal of Political Economy*, 112(3), 497-551.

Blau, Francine D. and Lawrence M. Kahn. "International Differences in Male Wage Inequality: Institutions versus Market Forces." *Journal of Political Economy*, 104(4), August 1996, 791-837.

* Blau, Francine D. and Lawrence M, Kahn. "Do Cognitive Test Scores Explain Higher US Wage Inequality?" *Review of Economics and Statistics,* 87(1) February 2005, 1984-193.

Bound, John and Sarah Turner. "Cohort Crowding: How Resources Affect Collegiate Attainment." University of Michigan mimeograph, July, 2003. http://www.nber.org/~confer/2003/si2003/papers/ls/bound.pdf

Card, David and Thomas Lemieux. "Dropout and Enrollment Trends in the Postwar Period: What Went Wrong in the 1970s?" in Risky Behavior among Youths: An Economic Analysis. Jonathan Gruber (Editor), Chicago: University of Chicago Press, 2001, chapter 9.

* Card, David and Thomas Lemieux. "Can Falling Supply Explain the Rising Return to College for Younger Men? A Cohort-Based Analysis." *Quarterly Journal of Economics*, 116(2), 2001, 705 – 746.

* Carneiro, Pedro and Sokbae Lee. "Trends in Quality-Adjusted Skill Premia in the United States, 1960-200" CEMMAP Working Papers, CWP02/09, 2009. http://www.cemmap.ac.uk/publications.php?publication_id=4410

Ellwood, David. "The Sputtering Labor Force of the Twenty-First Century: Can Social Policy Help?" in Alan B. Krueger and Robert M. Solow (eds.) The Roaring Nineties: Can Full Employment be Sustained? New York: Russell Sage Foundation and Century Foundation Press, 2001. (Also available as NBER Working Paper # 8321, June 2001)

Freeman, Richard B and R. Oostendorp. 2000. "Wages around the World: Pay Across Occupations and Countries." NBER Working Paper No. 8058, December.

Jones, Charles I. 2005. "The Shape of Production Functions and the Direction of Technical Change." *Quarterly Journal of Economics*, 120(2), 517-549.

* Katz, Lawrence F. and Kevin M. Murphy. 1992. "Changes in Relative Wages, 1963-1987: Supply and Demand Factors." *Quarterly Journal of Economics*, 107, 35-78.

* Leuven, Edwin, Hessel Oosterbeek and Hans van Ophem. 2004. "Explaining International Differences in Male Skill Wage Differentials by Differences in Demand and Supply of Skill." *Economic Journal*, 114, April, 466–486.

2. **Technical Change, Organizational Change and Skill Demands**

* Acemoglu, Daron. "Why do New Technologies Complement Skills: Directed Technical Change and Wage Inequality." *Quarterly Journal of Economics*, 113(4), 1998, 1055-1089.

* Acemoglu, Daron and David Autor. "Technologies, Skill Demands and Wages." (draft manuscript for Orley Ashenfelter and David Card, eds. Handbook of Labor Economics, Vol. 4, Holland: Elsevier), 2010.

* Autor, David and David Dorn. "Inequality and Specialization: The Growth of Low-Skilled Service Employment in the United States." NBER WP No. 15150, July 2009.

* Autor, David H., Frank Levy and Richard J. Murnane. "The Skill Content of Recent Technological Change: An Empirical Exploration." *Quarterly Journal of Economics*, 116(4), 2003.

Autor, David and David Dorn. 2009. "This Job is Getting Old: Measuring Changes in Job Opportunities using Occupational Age Structure." *American Economic Review Papers and Proceedings*, 99(2). (Get PDF from D. Autor)

Autor, David H., Lawrence F. Katz and Alan B. Krueger. "Computing Inequality: Have Computers Changed the Labor Market." *Quarterly Journal of Economics*, 113(4), 1998, 1169-1213.

Autor, David H., Frank Levy and Richard J. Murnane. "Upstairs, Downstairs: Computers and Skills on Two Floors of a Large Bank." *Industrial and Labor Relations Review*, 55(3), 2002, 432 – 447.

* Bartel, Ann P., Casey Ichniowski, and Kathryn L. Shaw. 2007. "How Does Information Technology Affect Productivity? Plant-Level Comparisons of Product Innovation, Process Improvement and Worker Skills." *Quarterly Journal of Economics*, 122(4), November, 1721-1758.

Doms, Mark, Timothy Dunne and Kenneth Troske. "Workers, Wages and Technology.'' *Quarterly Journal of Economics*, 112, 1997, 217-252.

* Goos, Maarten, Alan Manning and Anna Salomons. 2009. "The Polarization of the European Labor Market." *American Economic Review Papers and Proceedings*, 99(2).

Goos, Maarten, Alan Manning and Anna Salomons. 2009. "Recent Changes in the European Employment Structure: The Roles of Technological Change, Globalization and Institutions." Katholieke Universiteit Leuven mimeo (see D. Autor for PDF).

* Krusell, Per, Lee Ohanian, Victor Rios-Rull and Giovanni Violante. "Capital-Skill Complementarity and Inequality." *Econometrica*, 6(5), 2000, 1029-1053.

Lin, Jeffrey. 2007. "Innovation, Cities and New Work." Federal Reserve Bank of Philadelphia Working Paper 07-25, October. http://www.philadelphiafed.org/files/wps/2007/wp07-25.pdf

Machin, Stephen, John Van Reenen. "Technology and Changes in Skill Structure: Evidence from Seven OECD Countries." *Quarterly Journal of Economics,* 113(4), 1998, 1215-44.

Nordhaus, William D. 1981. "The Progress of Computing," Yale Cowles Foundation Discussion Paper No. 1324.

Spitz-Oener, Alexandra. "Technical Change, Job Tasks and Rising Educational Demands: Looking Outside the Wage Structure." *Journal of Labor Economics*, 2006, 24, forthcoming.

* Weiss, Matthias (2008). "Skill-Biased Technological Change: Is there Hope for the Unskilled?" *Economics Letters*, 100, 439-441.

Xiong, Chang. 2005. "New Goods and the Relative Demand for Skilled Labor." *Review of Economics and Statistics*, 87(2), May, 285-98

3. **Organizational change**

Acemoglu, Daron. "Changes in Unemployment and Wage Inequality: An Alternative Theory and Some Evidence." *American Economic Review*, 89(5), 1999, 1259-1278.

* Becker, Gary S. and Kevin M. Murphy. "The Division of Labor, Coordination Costs and Knowledge." *Quarterly Journal of Economics*, 107(4), 1992, 1137-1160.

* Bloom, Nick and John Van Reenen. 2007. "Measuring and Explaining Management Practices across Firms and Countries." *Quarterly Journal of Economics*, 122(4), November, 1351-1408.

Bloom, Nick, Rafaella Sadun and John Van Reenan. 2007. "Americans do I.T. Better: US Multinationals and the Productivity Material." NBER Working Paper No. 13085, May.

Bresnahan, Timothy F., Erik Brynolfsson, and Lorin M. Hitt. "Information Technology, Workplace Organization and the Demand for Skilled Labor: Firm-level Evidence." *Quarterly Journal of Economics*, 117, 2002, 339-376.

Caroli, Eve and John van Reenen. "Skill-Biased Organizational Change: Evidence from a Panel of British and French Establishments." *Quarterly Journal of Economics*, 116(4), 2001, 1449-1492.

* Dessein, Wouter and Tanos Santos. 2006. "Adaptive Organizations." *Journal of Political Economy*, 114(5), 956-995.

* Gabaix, Xavier and Augustin Landier. 2008. "Why has CEO Pay Increased so Much?" *Quarterly Journal of Economics*, 123(1), February, 49-100.

Goldin, Claudia and Lawrence Katz. "The Origins of Technology-Skill Complementarity." *Quarterly Journal of Economics*, 1998.

Ichniowski, Casey, Katherine Shaw, and G. Prennushi "The Effects of Human Resource Management Practices on Productivity: A Study of Steel Finishing Lines." *American Economic Review*, 87(3), 1997, 291-313.

* Rosen, Sherwin. 1981. "The Economics of Superstars." *American Economic Review*, 71(5), 1981, 845-858.

* Taylor, Frederick W. 1911. *The Principles of Scientific Management*. New York: Harper Bros.

* Tervio, Markö. 2007. "Superstars and Mediocrities: Market Failure in the Discovery of Talent." UC Berkeley Haas School of Business Mimeograph, August. http://faculty.haas.berkeley.edu/marko/MediocritiesAndSuperstars-DirectorsCut.pdf

* Tervio, Markö. 2008. "The Difference that CEOs Make: An Assignment Model Approach." *American Economic Review*, 98(3), 642-668.

Thesmar, David and Mathias Thoenig. 2000. "Creative Destruction and Firm Organizational Choice." *Quarterly Journal of Economics*, 1115(4), November, 1201-1237.

4. **International Trade and Outsourcing: Impacts on Employment, Wages and Productivity**

Acemoglu, Daron. "Patterns of Skill Premia." *Review of Economic Studies*, 70(2), 2003, 199 – 230.

* Beaudry, Paul and David A. Green. 2003. "Wages and Employment in the United States and Germany: What Explains the Differences?" *American Economic Review*, 93(3), 573–602.

* Berman, Eli, John Bound and Stephen Machin. "Implications of Skill-Biased Technological Change: International Evidence." *Quarterly Journal of Economics*, 113(4), 1998, 1245 – 1280.

Borjas, George, Richard B. Freeman and Lawrence F. Katz. 1997. "How Much do Immigration and Trade Affect Labor Market Outcomes?" *Brookings Papers on Economic Activity*, 1, 1–90.

Bergin, Paul R., Robert C. Feenstra and Gordon H. Hanson. Forthcoming. "Offshoring and Volatility: Evidence from Mexico's Maquiladora Industry." *American Economic Review.*

* Costinot, Arnaud and Jonathan Vogel. "Matching and Inequality in the World Economy." MIT Mimeograph, January 2010.

Freeman, Richard. "Are Your Wages Set in Beijing? *Journal of Economic Perspectives*, 9(3), 1995, 15 – 32.

Freeman, Richard B. "Trade Wars: The Exaggerated Impact of Trade in Economic Debate." NBER Working Paper No. 10000, September 2003.

Johnson, George and Frank Stafford. "The Labor Market Implications of International Trade." in O. Ashenfelter and D. Card, eds., Handbook of Labor Economics, Vol 3B. Amsterdam: Elsevier, 1999. (on reserve)

Krugman, Paul. "Growing World Trade: Causes and Consequences." *Brooking Papers on Economic Activity*, 1995-1, 1995, 327-362.

* Krugman, Paul. "Technology, trade and factor prices." *Journal of International Economics*, 50(1), 2000, 51 – 71.

* Krugman, Paul. 2008. "Trade and Wages, Reconsidered." Princeton University Working Paper, February.

Lawrence, Robert Z. and Matthew Slaughter. 1993. “International Trade and American Wages in the 1he 1980s: Giant Sucking Sound or Small Hiccup.” *Brookings Papers on Economic Activity: Microeconomics*, 161–226.

* Leamer, Edward E. 2000. “What’s the Use of Factor Contents?” *Journal of International Economics*, 50(1), February, 17-49.

Melitz, Mark J. 2003. “The Impact of Trade on Intra-Industry Reallocations and Aggregate Industry Productivity.” *Econometrica*, 71, November, 1695-1725.

* Trefler, Daniel. 2004. “The Long and Short of the Canada-U.S. Free Trade Agreement.” *American Economic Review*, 94(4), 870–895.

Wood, Adrian. North-South Trade, Employment and Inequality: Changing Fortunes in a Skill Driven World. Oxford, Clarendon Press, 1994.

Wood, Adrian. “How Trade Hurt Unskilled Workers.” *Journal of Economic Perspectives*, 9(3), 1995, 57 – 80.

Verhoogen, Eric. 2008. Trade, Quality Upgrading and Wage Inequality in the Mexican Manufacturing Sector.” *Quarterly Journal of Economics*, 123(2), May 2008, pp. 489-530.

5. **Outsourcing**

Amiti, Mary and Jozef Konings. 2007. “Trade Liberalization, Intermediate Inputs, and Productivity: Evidence from Indonesia.” *American Economic Review*, 97(5), 1611-1638.

Amiti, Mary and Shang-Jin Wei. “Service Offshoring and Productivity: Evidence from the United States,” NBER Working Paper No. 11926, January 2006.

Bagwati, Jagdish, Arvind Panagariya and T.N. Srinivasan. 2004. “The Muddles over Outsourcing.” *Journal of Economic Perspectives*, 18(4), Fall, 93–114.

* Grossman, Gene and Estaban Rossi-Hansberg. 2008. “Trading Tasks: A Simple Theory of Outsourcing.” *American Economic Review*, 98(5), 1978-1997.

* Hsieh, Chag-Tai and Keong T. Woo. “The Impact of Outsourcing to China on Hong Kong’s Labor Market.” *American Economic Review*, 95(5), December 2005, 1673–1687.

* Liu, Runjuan and Daniel Trefler. 2008. “Much ado about Nothing: American Jobs and the Rise of Service Outsourcing to China And India.” NBER Working Paper.

Levy, Frank and Kyoung-Hee Yu. 2006. “Offshoring Radiology Services to India.” MIT Mimeograph, August. Available at http://web.mit.edu/flevy/www/indian_rad.pdf

Trefler, Daniel and Alla Lileeva. 2007. “Improved Access to Foreign Markets Raises Plant-Level Productivity ... for Some Plants.” University of Toronto Mimeograph. July. http://www.rotman.utoronto.ca/%7Edtrefler/papers/Exporting_Lileeva_Trefler.pdf