# Curriculum Vitae: August 9, 2010 ROGER B. MYERSON

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#### Personal Information:

Date of Birth: March 29, 1951, in Boston, Massachusetts. Citizenship: U.S.A. Married to Regina Weber Myerson, with two children, born 1983 and 1985. Home address: 1219 Elmwood Avenue, Wilmette, Illinois 60091-1646

### Education:

Ph.D. in Applied Mathematics, Harvard, 1976 (thesis: "A Theory of Cooperative Games"). A.B. summa cum laude, and S.M. in Applied Mathematics, Harvard University, 1973.

### Professional Experience:

- University of Chicago: Glen A. Lloyd Distinguished Service Professor (2007-), Professor of Economics (2001-), Visiting Professor of Economics, (1985-1986, 2000-2001).
- Northwestern University: Professor (1982-2001), Associate Professor (1979-1982), Assistant Professor (1976-1979) of Managerial Economics and Decision Sciences.
- Universität Bielefeld: Z.i.F. Visiting Researcher (1978-1979).

### Professional Honors and Responsibilities:

Fellow of the Econometric Society, elected 1983; Econometric Society offices: Council member (1996-2002, 2005-), Vice President (2007-8), President (2009).
Fellow of the American Academy of Arts and Sciences, elected 1993; Academy offices: Midwest Council member (1995-2002), Director of the Midwest Center and Vice President (1999-2002).
Member National Academy of Sciences (elected 2009).
Program Committee member for American Political Science Association 2002 annual meeting.
Editorial board member, <u>Games and Economic Behavior</u> (1989-1997).
Editorial Board member, <u>International Journal of Game Theory</u> (1982-1992).
Associate Editor, <u>Journal of Economic Theory</u> (1983-1993).
Guggenheim Fellow (1983-1984). Sloan Foundation Fellow (1984-1986).
Doctor Honoris Causa awarded by Universität Basel, Switzerland (2002).
Nobel Memorial Prize in Economic Sciences, with Leo Hurwicz and Eric Maskin (2007).
Jean-Jacques Laffont Prize (Toulouse, 2009). Books:

<u>Game Theory: Analysis of Conflict</u>, Harvard University Press (1991). Chinese translation published 2001 by China Economics Publishing House. <u>Probability Models for Economic Decisions</u>, Duxbury Press (2005).

# Software:

Formlist.xla (for auditing formulas in Microsoft Excel) v1.5, 22 kb, updated 12/1999. Simtools.xla (for simulation and decision analysis in Excel) v3.31, 97 kb, updated 3/2000. Available at http://home.uchicago.edu/~rmyerson/addins.htm

## *Op-ed pieces:*

"The dangers of going it alone," <u>Minneapolis Star-Tribune</u>, Feb 17, 2003, page A11. "How to build democracy in Iraq," Arabic translation in <u>Al Nahdhah</u>, Baghdad, July 2003. "No one can be let off the hook for bringing democracy to Iraq", <u>Chicago Tribune</u>, Aug 4, 2004,

page 21.

# Papers:

- 1. "Values of Games in Partition Function Form," <u>International Journal of Game Theory 6</u> (1977), 23-31.
- 2. "Graphs and Cooperation in Games," <u>Mathematics of Operations Research 2</u> (1977), 225-229.
- 3. "Two-Person Bargaining Problems and Comparable Utility," <u>Econometrica 45</u> (1977), 1631-1637.
- 4. "Discussion (of Harsanyi's 'Bayesian Decision Theory and Utilitarian Ethics')," <u>American</u> <u>Economic Review 68</u> (1978), 231.
- 5. "Refinements of the Nash Equilibrium Concept," <u>International Journal of Game Theory 7</u> (1978), 73-80.
- 6. "Threat Equilibria and Fair Settlements in Cooperative Games," <u>Mathematics of</u> <u>Operations Research 3</u> (1978), 265-274.
- 7. "Incentive Compatibility and the Bargaining Problem," <u>Econometrica</u> <u>47</u> (1979), 61-73.
- 8. "An Axiomatic Derivation of Subjective Probability, Utility, and Evaluation Functions," <u>Theory and Decision 11</u> (1979), 339-352.
- 9. With W. Thomson, "Monotonicity and Independence Axioms," <u>International Journal of Game Theory 9</u> (1980), 37-49.
- 10. "Conference Structures and Fair Allocation Rules," <u>International Journal of Game Theory</u> <u>9</u> (1980), 169-182.
- 11. "An Algorithm for Computing Equilibria in a Linear Monetary Economy," <u>Mathematical</u> <u>Programming 21</u> (1981), 182-189.

- 12. "Utilitarianism, Egalitarianism, and the Timing Effect in Social Choice Problems," <u>Econometrica 49</u> (1981), 883-897.
- "Prices and Market Imbalance Indexes in a General Equilibrium Model," CMSEMS DP No. 339 (August, 1978), French translation in <u>Les Cahiers du Seminaire d'Econometrie</u> <u>#22</u> (1980), Centre Nationale de la Recherche Scientifique, Paris.
- 14. "Optimal Auction Design," <u>Mathematics of Operations Research 6</u> (1981), 58-73.
- 15. With D. P. Baron, "Regulating a Monopolist with Unknown Costs," <u>Econometrica 50</u> (1982), 911-930.
- 16. "Optimal Coordination Mechanisms in Generalized Principal-Agent Problems," Journal of Mathematical Economics 10 (1982), 67-81.
- 17. "The Basic Theory of Optimal Auctions," in <u>Auctions, Bidding and Contracts</u>, edited by R. Engelbrecht-Wiggans, M. Shubik, and R. Stark, NYU Press (1983), 149-163.
- 18. With M. A. Satterthwaite, "Efficient Mechanisms for Bilateral Trading," Journal of Economic Theory 29 (1983), 265-281.
- 19. "Mechanism Design by an Informed Principal," <u>Econometrica</u> <u>51</u> (1983), 1767-1797.
- 20. With B. Holmstrom, "Efficient and Durable Decision Rules with Incomplete Information," <u>Econometrica 51</u> (1983), 1799-1819.
- 21. "A Dynamic Microeconomic Model with Durable Goods and Adaptive Expectation," Journal of Economic Behaviour and Organization <u>4</u> (1983), 309-351.
- 22. "Two-Person Bargaining Problems with Incomplete Information," <u>Econometrica 52</u> (1984), 461-487.
- 23. "Cooperative Games with Incomplete Information," <u>International Journal of Game</u> <u>Theory 13</u> (1984), 69-86.
- 24. "Bayesian Equilibrium and Incentive Compatibility," in <u>Social Goals and Social</u> <u>Organization</u>, edited by L. Hurwicz, D. Schmeidler, and H. Sonnenschein, Cambridge University Press (1985), 229-259.
- 25. "Analysis of Two Bargaining Problems with Incomplete Information," in <u>Game Theoretic</u> <u>Models of Bargaining</u>, edited by A. Roth, Cambridge University Press (1985), 59-69.
- 26. With R. Radner and E. Maskin, "An Example of a Repeated Partnership Game with Discounting and Uniformly Inefficient Equilibria," <u>Review of Economic Studies 53</u> (1986), 59-69.
- 27. "Multistage Games with Communication," <u>Econometrica 54</u> (1986), 323-358.
- 28. "Acceptable and Predominant Correlated Equilibria," <u>International Journal of Game</u> <u>Theory 15</u> (1986), 133-154.
- 29. "An Introduction to Game Theory," in <u>Studies in Mathematical Economics</u>, edited by S.

Reiter, Mathematical Association of America (1986), 1-61.

- "Negotiation in Games: A Theoretical Overview," in <u>Essays in Honor of Kenneth J.</u> <u>Arrow 3</u>, edited by W. Heller, R. Starr, and D. Starrett, Cambridge U. Press (1986), 3-24.
- "Incentive Constraints and Optimal Communication Systems," in <u>Proceedings of the</u> <u>Second Conference on Theoretical Aspects of Reasoning about Knowledge</u>, edited by M. Y. Vardi, Los Altos: Morgan Kaufmann (1988), 179-193.
- With R. J. Aumann, "Endogenous Formation of Links Between Players and of Coalitions: an Application of the Shapley Value," in <u>The Shapley Value</u>, edited by A. E. Roth, Cambridge University Press (1988), 175-191.
- 33. "Mechanism Design," in <u>The New Palgrave: Allocation, Information, and Markets</u>, edited by J. Eatwell, M. Milgate, and P. Newman, New York: Norton, (1989), 191-206.
- 34. "Credible Negotiation Statements and Coherent Plans," Journal of Economic Theory <u>48</u> (1989), 264-303.
- 35. "Analysis of Incentives in Bargaining and Mediation," in <u>Negotiation Analysis</u>, edited by H. P. Young, University of Michigan Press (1991), 67-85.
- 36. With G. B. Pollock and J. M. Swinkels, "Viscous Population Equilibria," <u>Games and Economic Behavior 3</u> (1991), 101-109.
- "On the Value of Game Theory in Social Science," <u>Rationality and Society 4</u> (1992), 62-73.
- 38. "Fictitious-Transfer Solutions in Cooperative Game Theory," in <u>Rational Interaction</u>, edited by R. Selten, Springer-Verlag (1992), 13-33.
- 39. "Mechanism Design and Incentive Constraints" and "Revelation Principle," in <u>New</u> <u>Palgrave Dictionary of Money and Finance</u>, edited by J. Eatwell, M. Milgate, and P. Newman, New York: Stockton Press (1992).
- 40. With R. J. Weber, "A Theory of Voting Equilibria," <u>American Political Science Review</u> <u>87</u> (1993), 102-114.
- 41. "Effectiveness of Electoral Systems for Reducing Government Corruption: A Game Theoretic Analysis," <u>Games and Economic Behavior 5</u> (1993), 118-132.
- 42. "Review of 'Advances in the Spatial Theory of Voting' and 'Models of Multiparty Electoral Competition'," Journal of Economic Literature <u>31(1)</u> (March 1993), 237-240.
- "Proportional Representation, Approval Voting, and Coalitionally Straightforward Elections," in <u>Political Economy: Institutions, Competition, and Representation</u>, edited by W. A. Barnett, M. J. Hinich, and N. J. Schofield, Cambridge University Press (1993), pp. 107-133.
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- 52. "Analisis economico de las instituciones politicas: una introduccion" (translated into Spanish by J. Ignacio Conde Ruiz), <u>Cuadernos Economicos 62</u> (1996),7-28.
- 53. "Sustainable Equilibria in Culturally Familiar Games," in <u>Understanding Strategic</u> <u>Interaction: Essays in Honor of Reinhard Selten</u>, edited by W. Albers, W. Gueth, P. Hammerstein, B. Moldovanu, and E. van Damme (Springer-Verlag, 1997), pages 111-121.
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- 56. "Dual Reduction and Elementary Games," <u>Games and Economic Behavior 21</u> (1997), 183-202.
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- 59. "Working in Game Theory: A Personal Perspective" in <u>Passion and Craft: How</u> <u>Economists Work</u>, edited by M. Szenberg, University of Michigan Press (1998), pages

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- With Thomas Rietz and Robert Weber, "Campaign Finance Levels as Coordinating Signals in Three-Way, Experimental Elections." <u>Economics and Politics 10</u> (1998) 185-217.
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- 62. "Theoretical Comparisons of Electoral Systems," <u>European Economic Review 43</u> (1999), 671-697.
- 63. "Informational Origins of Political Bias Towards Critical Groups of Voters," <u>European</u> <u>Economic Review 43</u> (1999), 767-778.
- 64. "Nash Equilibrium and the History of Economic Theory," Journal of Economic Literature <u>37</u> (1999), 1067-1082.
- 65. "Large Poisson Games," Journal of Economic Theory 94 (2000), 7-45.
- 66. "Economic Analysis of Constitutions," <u>Chicago Law Review 67</u> (2000), 925-940.
- 67. "Learning Game Theory from John Harsanyi" <u>Games and Economic Behavior 36</u> (2001), 20-25.
- 68. "Review of 'Incentives and Political Economy' by Jean-Jacques Laffont" <u>Journal of</u> <u>Economic Literature 39</u> (2001), 1277-1279.
- 69. "Comparison of Scoring Rules in Poisson Voting Games," Journal of Economic Theory 103 (2002), 219-251.
- 70. "Political Economics and the Weimar Disaster," <u>Journal of Institutional and Theoretical</u> <u>Economics 160</u> (2004), 187-209.
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- 74. "On Game-Theoretic Consistency and the Theory of International Relations," <u>Journal of Theoretical Politics 18</u> (2006), 416-433.
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- 78. With Serguey Braguinsky, "Capital and Growth with Oligarchic Property Rights," <u>Review of Economic Dynamics 10</u> (2007), 676-704.
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- 80. With Dino Gerardi, "Sequential Equilibria in Bayesian Games with Communication," <u>Games and Economic Behavior 60</u> (2007), 104-134.
- 81. "Force and Restraint in Strategic Deterrence: A Game Theorist's Perspective," monograph of the Strategic Studies Institute, U.S. Army War College, (Nov 2007).\* http://www.strategicstudiesinstitute.army.mil/pdffiles/pub823.pdf
- 82. "Perspectives on Mechanism Design in Economic Theory," in <u>American Economic</u> <u>Review</u> 98(3):586-603 (2008), and in <u>Les Prix Nobel</u> (2007), 320-341.
- 83. "Roger B. Myerson: Autobiography," in Les Prix Nobel (2007), 309-319.
- 84. "John C. Harsanyi," "Revelation Principle," and "Mechanism Design" [33] in the <u>New</u> <u>Palgrave Dictionary of Economics</u>, Palgrave Macmillan (2008).
- 85. "John F. Nash, Jr.", in the <u>International Encyclopedia of the Social Sciences</u>, Macmillan Reference USA (2008).
- 86. "Fundamental Theory of Institutions: a Lecture in Honor of Leo Hurwicz," <u>Review of Economic Design 13</u> (2009) 59-75.
- 87. "A Field Manual for the Cradle of Civilization: Theory of Leadership and Lessons of Iraq," Journal of Conflict Resolution 53(3) (2009), 470-482.
- 88. "Local foundations for strong democracy in Pakistan," <u>Social Science and Policy Bulletin</u> 1(2):2-20 (Lahore University of Management Sciences, 2009).
- 89. "Learning from Schelling's 'Strategy of Conflict'," <u>Journal of Economic Literature</u> 47(4):1109-1125 (2010).
- 90. "Capitalist Investment and Political Liberalization," <u>Theoretical Economics</u> 5(1):73-91 (2010).
- 91. With Rebecca B. Morton, "Decisiveness of Contributors' Perceptions in Elections" (Dec 1992).\*
- 92. "Fundamentals of Social Choice Theory" (Sept 1996).\*
- 93. "Leadership, Trust, and Power: Dynamic Moral Hazard in High Office" (Jan 2007).\*
- 94. "Foundations of the State in Theory and Practice: Reading Bremer and the Counterinsurgency Field Manual" (Oct 2007).\*

- 95. "Constitutional Structures for a Strong Democracy: Considerations on the Government of Pakistan" (March 2009).\*
- 96. "A Short Overview of the Fundamentals of State-Building" (March 2010).\*
- 97. "A Model of Moral-hazard Credit Cycles" (March 2010).\*
- 98. With Ali Cheema and Adnan Q. Khan, "Breaking the Countercyclical Pattern of Local Democracy in Pakistan," (April 2010).\*

\*Papers available at web site http://home.uchicago.edu/~rmyerson/research/