

VIJAY KRISHNA

- Address:** Department of Economics
Penn State University
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E-mail: vkrishna@psu.edu
- Education:** B.A. Mathematics, Delhi University, 1976.
M.A. Economics, Delhi University, 1978.
Ph.D. Economics, Princeton University, 1983.
- Current Position:** Professor
Department of Economics
The Pennsylvania State University, 1996 to Present
- Personal:** Date of Birth: February 7, 1956
Place of Birth: Delhi, India
Marital Status: Married, two children
Citizenship: US.
- Past Positions:** Associate Professor
Department of Economics
The Pennsylvania State University, 1993 to 1996
- Associate Professor
Graduate School of Business Administration
Harvard University, 1988 to 1993
- Assistant Professor
Graduate School of Business Administration
Harvard University, 1984 to 1988
- Assistant Professor
Department of Economics
Columbia University, 1982 to 1984

**Fellowships
& Awards:**

Fellow of the Econometric Society (elected in 2002)

Economic Theory Fellow, Society for the Advancement of Economic Theory (elected in 2011)

Faculty Scholar Medal, Penn State University, 2011.

**Editorial
Positions:**

Associate Editor

Operations Research, 1988 to 1992

Editorial Board

Games and Economic Behavior, 1996 to 2005

Associate Editor

Mathematics of Operations Research, 1999 to 2006

Editorial Board

Journal of Economic Theory, 2005 to 2013

Co-Editor

International Journal of Game Theory, 2011 to Present

**Visiting
Positions:**

Visiting Associate Professor

Department of Economics

Harvard University, 1992-93.

Visiting Research Professor

Institute of Economics

University of Copenhagen, Fall 1999.

Visiting Fellow

Center for Rationality

Hebrew University of Jerusalem, Spring 2000.

Member

School of Social Science

Institute for Advance Study

Princeton, 2006-07.

Visiting Fellow (Concurrently)
Department of Economics
Princeton University, 2006-07.

**Short-Term
Visitor:**

Institute for Advanced Study, Hebrew University, Jerusalem, Israel, June 1985.

Institute of International Economics, Stockholm University, Stockholm, Sweden, June 1989.

Department of Economics, Hebrew University, Jerusalem, Israel, June 1991 and March 1997.

Center for Rationality, Hebrew University, Jerusalem, Israel, June 1994 and June 1996.

Institute of Economics, University of Copenhagen, Copenhagen, Denmark, June 1995.

Stockholm School of Economics, Stockholm, Sweden, June 2000.

Wuhan University, Wuhan, China, May 2007.

Hitotsubashi University, Japan, December 2009.

**Publications
in Journals:**

Benoît, J-P. and V. Krishna: "Finitely Repeated Games," *Econometrica*, 53 (1985), No. 4, 905–922.

Benoît, J-P. and V. Krishna: "Dynamic Duopoly: Prices and Quantities," *Review of Economic Studies*, 54 (1987), No. 1, 23–35.

Benoît, J-P. and V. Krishna: "Nash Equilibria of Finitely Repeated Games," *International Journal of Game Theory*, 16 (1987), No. 3, 197–204.

Benoît, J-P. and V. Krishna: "Entry Deterrence and Dynamic Competition: The Role of Excess Capacity Reconsidered," *International Journal of Industrial Organization*, 9 (1991), No. 4, 477–495.

Benoît, J-P. and V. Krishna: "Renegotiation in Finitely Repeated Games" *Econometrica*, 61 (1993), No. 2, 303–323.

Krishna, V. and R. Serrano: "Perfect Equilibria of a Model of N -Person Noncooperative Bargaining" *International Journal of Game Theory*, 24 (1995), 259–272.

Krishna, V. and R. Serrano: "Multilateral Bargaining," *Review of Economic Studies*, 63 (1996), No. 1, 61–80.

Krishna, V. and R. Rosenthal: "Simultaneous Auctions with Synergies," *Games and Economic Behavior*, 17 (1996), No. 1, 1–31.

Krishna, V. and J. Morgan: "An Analysis of the War of Attrition and the All-Pay Auction," *Journal of Economic Theory*, 72 (1997), No. 2, 343–362.

Krishna, V. and T. Sjöström: "On the Convergence of Fictitious Play," *Mathematics of Operations Research*, 23 (1998), No. 2, 479–511.

Benoît, J-P. and V. Krishna: "Multiple Object Auctions with Budget Constrained Bidders" *Review of Economic Studies*, 68 (2001), No. 1, 155–179.

Krishna, V. and J. Morgan: "A Model of Expertise," *Quarterly Journal of Economics*, 116 (2001), No. 2, 747–775.

Krishna, V. and E. Maenner: "Convex Potentials with an Application to Mechanism Design," *Econometrica*, 69 (2001), No. 4, 1113–1119.

Krishna, V. and J. Morgan: "Asymmetric Information and Legislative Rules: Some Amendments," *American Political Science Review*, 95 (2001), No. 2, 435–452.

Krishna, V.: "Asymmetric English Auctions," *Journal of Economic Theory*, 112 (2003), No. 2, 261–288.

Krishna, V. and J. Morgan: "The Art of Conversation: Eliciting Information from Experts through Multi-Stage Communication," *Journal of Economic Theory*, 117 (2004), No. 2, 147–179.

Hafalir, I. and V. Krishna: "Asymmetric Auctions with Resale," *American Economic Review*, 98 (2008), No. 1, 87–112.

Krishna, V. and J. Morgan: "Contracting for Information under Imperfect Commitment," *Rand Journal of Economics*, 39 (2008), No. 4, 905–925.

Hafalir, I. and V. Krishna: “Revenue and Efficiency Effects of Resale in First-Price Auctions,” *Journal of Mathematical Economics*, 45 (2009), Nos. 9–10, 589–602.

Krishna, V. and J. Morgan: “Overcoming Ideological Bias in Elections,” *Journal of Political Economy*, 119 (2011), No. 2, 183–221.

Krishna, V. and J. Morgan: “Voluntary Voting: Costs and Benefits,” *Journal of Economic Theory*, 147 (2012), 2083–2123.

Book: Krishna, V.: *Auction Theory*, Academic Press, San Diego, 2002. (2nd edition, 2010).

Articles in Books: Krishna, V. and H. Sonnenschein: “Duality in Consumer Theory,” in *Preferences, Uncertainty and Optimality*, edited by J. Chipman, D. McFadden and M. Richter, Westview Press, 1990.

Krishna, V. and T. Sjöström: “Learning in Games: Fictitious Play Dynamics,” in *Cooperation: Game Theoretic Approaches*, edited by S. Hart and A. Mas-Colell, Springer-Verlag, 1997.

Krishna, V. and T. Sjöström: “Evolution and Games: Replicator Dynamics,” in *Cooperation: Game Theoretic Approaches*, edited by S. Hart and A. Mas-Colell, Springer-Verlag, 1997.

Krishna, V. and J. Morgan: “The Winner-Take-All Principle in Small Tournaments,” in *Applied Microeconomics*, edited by M. Baye, Westview Press, 1999.

Krishna, V. and J. Morgan: “Cheap Talk,” in *The New Palgrave Dictionary of Economics*, Palgrave, 2008.

Unpublished Papers: Krishna, V.: “Learning in Games with Strategic Complementarities,” Harvard Business School Working Paper No. 91-026, October 1992.

Krishna, V. and M. Perry: “Efficient Mechanism Design,” mimeo, Penn State University and Hebrew University of Jerusalem, April 1998.

Benoît, J-P. and V. Krishna: “The Folk Theorems for Repeated Games: A Synthesis,” mimeo, New York University and Penn State University, December 1998.

- Other Publications:** Brandenburger, A. and V. Krishna: “Common Sense 0, Strategic Reasoning 6,” *Harvard Business Review*, 90 (1990), No. 4, 200–201.
- Review of “Aumann, R. and M. Maschler, *Repeated Games with Incomplete Information*,” *Journal of Economic Literature*, 35 (1997), No. 1, 126–127.
- Research Grants:** National Science Foundation, “Models of Dynamic Oligopoly,” (joint with J-P. Benoit), 1986 to 1988.
- National Science Foundation, “The Economics of Expertise,” (joint with John Morgan), 1997 to 1999.
- National Science Foundation, “The Art of Conversation,” (joint with John Morgan), 2001 to 2003.
- National Science Foundation, “Mechanism Design with Imperfect Commitment,” (joint with John Morgan), 2005 to 2008.
- National Science Foundation, “Auctions and Resale Markets,” (joint with Isa Hafalir), 2008 to 2011.
- Courses Taught:** Department of Economics, Columbia University, 1982-1984.
1. Intermediate Microeconomics (Undergraduate)
 2. Mathematical Methods (Graduate)
 3. Mathematical Economics (G)
 4. Principles of Microeconomics (U)
- Graduate School of Business Admin., Harvard University, 1984-1992.
1. Managerial Economics (MBA)
 2. Games of Strategy (MBA)
 3. Competitive Decision Making (MBA)
 4. Competition and Strategy (MBA)
- Department of Economics, Harvard University, 1986-1993.
1. Topics in Game Theory (G)
 2. Intermediate Microeconomics (U)
 3. Microeconomics Thesis Seminar (U)
- Department of Economics, Penn State University, 1992-2002.

1. Microeconomics (G)
2. Mathematical Methods (G)
3. Topics in Game Theory (G)
4. Industrial Organization (G)
5. Principles of Microeconomics (U)
6. Game Theory (U)

Ph. D. John Nachbar, Harvard University, 1989.
Committees: Serge Marquie, Harvard University, 1990.
 Saikat Datta, Indian Statistical Institute, 1994.
 Nam Kim, Penn State University, 1995.
 Jiangdong Ju, Penn State University, 1995.
John Morgan, Penn State University, 1995.
 Edward Mansley, Penn State University, 1996.
 Phillip Stocken, Penn State University, 1998.
 Cemille Yavas, Penn State University, 1998.
 Peter Lyk-Jensen, Univ. of Copenhagen, 1998.
 Mogens Jens, Univ. of Copenhagen, 2000.
 Roland Fryer, Penn State University, 2001.
Sergei Izmalkov, Penn State University, 2002.
Eliot Maenner, Penn State University, 2002.
Oleksii Birulin, Penn State University, 2003.
 Rene Kirkegaard, University of Aarhus, 2004.
Dmitriy Kvasov, Penn State University, 2004.
 Chun-Chieh Wang, Penn State Univ., 2004.
 Jun Xue, Penn State University, 2004.
 Sunghyun Na, Penn State University, 2005.
Isa Hafalir, Penn State University, 2007.
Maxim Ivanov, Penn State University, 2008.
Alexey Kushnir, Penn State University, 2010.
Jun Xiao, Penn State University, 2012.

(Name in italics denotes chair or co-chair of committee.)

Committees: Academic Programs Committee, Economics Dept., Penn State University, Chairman 1994–95.

Research and Graduate Studies Committee, College of Liberal Arts, Penn State University, 1994–96.

Personnel Committee, Chairman, Economics Dept., Penn State University, 1996-98.

Junior Recruiting Committee, Chairman, Economics Dept., Penn State University, 2000-01.

Personnel Committee, Member, Economics Dept., Penn State University, 2001-03.

Director of Graduate Studies, Economics Dept., Penn State University, 2003 to Present.

Other:

Program Organizer, Tenth International Conference on Game Theory, SUNY, Stony Brook, June 1999.

Program Committee, North American Meetings of the Econometric Society, June 2005.

Council of the Game Theory Society, 2008–13.

Program Chair, Asian Meetings of the Econometric Society, Delhi, December 2012.