

CURRICULUM VITAE (Web version)

Edward C. Rosenthal

September 2023

I. Correspondence

Business Address: Department of Statistics, Operations, and Data Science
Fox School of Business
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II. Education, College Level

1980: B.S. (magna cum laude), Mathematics, State University of New York at Albany.

1981: M.S., Industrial Engineering and Management Sciences, Northwestern University.

1985: Ph.D., Industrial Engineering and Management Sciences, Northwestern University.

Ph.D. Thesis Title: Cooperative Games Arising from Mathematical Programming Problems.

III. Employment

Academic:

1981 – 1985: Teaching Assistant, Northwestern University, Department of Industrial Engineering and Management Sciences.

1984: Lecturer, Loyola University Chicago, Department of Management Science.

1985 – 1991: Assistant Professor, Temple University, Departments of Management and Management Science and Operations Management.

1991 – 2013 Associate Professor, Temple University, Department of Management Science and Operations Management, Fox School of Business.

2013 – Professor, Temple University, Department of Marketing and Supply Chain Management (Fox).

- 2018 – 2021 Chair, Department of Marketing and Supply Chain Management (Fox).
- 2022 – Professor, Temple University, Department of Statistics, Operations, and Data Science (Fox)

Nonacademic:

- 1981: IBM Corporation, Boulder, Colorado. Analyst/programmer.

IV. Awards, Fellowships, Grants

Great Teacher Award, Temple University, April 2008.

Lindback Award for Distinguished Teaching, Temple University, 2003.

Musser Excellence in Leadership Award for Teaching, 2013.

Fox Honors Instructor of the Year Award, 2015

Fox MBA Faculty of the Year Award, 2010

Service Excellence Award, Department of Marketing and Supply Chain Management, May 2011

Fox “Crystal Apple Award” for teaching, October 2008.

Three-time Recipient, Summer Research Fellowship, Temple University (1987, 1989, 1993).

Study Leaves: Spring 1995, Spring 2005, Fall 2015.

Academic Visitor, Department of Operational Research, London School of Economics, January – June 1995.

Silver Medal, *ForeWord Magazine* Book of the Year Award Winner, 2005, for “The Era of Choice: The Ability to Choose and Its Transformation of Contemporary Life” (Category: Philosophy).

V. Teaching

Loyola University Chicago: MGSC 241, 342. A two-semester sequence in business statistics.

Temple University, Fox School of Business:

MSOM 3101 (formerly 105): Operations Management.

MSOM 3901 (formerly 195): Operations Management (Honors).
 MSOM (Formerly MGT) 302: Analytical Methods for Management.
 MGT 305: Optimum Techniques for Production Systems.
 MGT 315: Stochastic Models in Operations Management.
 MSOM 405: Operations Management
 MSOM 501: Introduction to Operations Research.
 MSOM 520: Network Analysis.
 MSOM 525: Games of Strategy in Business.
 MSOM 5001: Operations Management (MBA)
 MSOM 5156: Logistics and Supply Chain Management (MBA/MS)
 MSOM 5806: Operations Management (Executive MBA)
 MSOM 5301/5401: Operations Management (1.5 credits, MBA)
 MSOM 9102: Unit in Combinatorial Optimization (1/2 of 3.0 credit PhD class)

VI. Service Contributions

At Temple University:

Department Level:

- Teaching Evaluations Coordinator, Department of Management, 1985 – 1988.
- Undergraduate Curriculum Committee, Department of Management, 1987 – 1988.
- Director, Ph.D. Program in MSOM, 1989 – 1995.
- Course coordinator for MSOM 3101 (105), Fall 2009 – Spring 2015
- Course coordinator for MSOM 5001/5301/5401, 2005 – 2023
- MSCM Department Merit Committee, Fall 2010 – present
- MSCM Department Promotion and Tenure Committee, 2010 – 2013
- Chair, MSOM recruitment committee, Fall 2013 – present
- NTT Promotion committee, 2016-2017
- Department Chair, July 2018 – December 2021
- Chair, Awards Committee, Department of Statistics, Operations, and Data Science

Collegial Level:

- Undergraduate Affairs Committee (UAC), 1987 – 1989, Fall 2008.
- UAC Subcommittee on revision of the Upper Division Curriculum, 1989.
- Undergraduate Student Awards Committee (SBM), Spring 1989.
- SBM Honors Committee, 1990 – 1994
- Ph.D. Program Committee, 1992 – 1995
- Planning and Personnel Committee, 1993 – 1996
(Chair, 1993 - 1996, except for Spring, 1995)
- Steering Committee, 1993 – 1996
- CITR Committee, 1994 – 1996
- Graduate Affairs Committee (GAC), 1996 – 2006
- Course and Faculty Evaluation (CAFE) Committee, Spring 1998.
- Ad Hoc Grievance Committee on the Case Competition, May 1998.
- MBA 2005 Curriculum Integration Subcommittee (2003 – 2004).
- Reaccreditation Review Task Force (RRTF), 2007 – 2008.

- CASBM Student Awards Committee, Spring 2008.
- CAFSBM Promotion and Tenure Committee, 2008 – 2009
- Fox School CITL roundtable member, 2009 –
- Fox Honors Faculty Fellow, 2009 –
- Fox School of Business Collegial Assembly Chair-elect, 2009 – 2010.
- Fox School of Business Collegial Assembly Chair, 2010 – 2011.
- Fox School Merit Committee, 2011 – 2016 (Chair, 2013, 2014)
- Fox School Journal Vetting Committee, 2012 – 2019
- Data Science Recruiting Committee, Spring 2017
- Member, Strategic Planning Task Force, 2019.
- Fox School Promotion and Tenure Committee, 2022 –

University Level:

- University Faculty Senate, Spring 1988 - Spring 1991.
- University Honors Committee (FWIG) 1989 - 1990.
- University Research Committee, 1990 - 1993.
- Faculty Senate Ad Hoc Committee on Teaching Responsibility, 1995 - 1996.
- TUCC Technology Committee, 1999 - 2000.
- Lindback Award Committee, 2007-2008.

Service, Outside University:

- Arrangements Co-Chairman, 30th ORSA/TIMS Conference, Philadelphia, PA, October 1990.

VII. Research Contributions

Publications:

Articles in refereed academic journals:

Rosenthal, E.C., and C. Trudeau, “Interdependent Security Games in a Unidirectional Network,” forthcoming in *Risk Analysis*.

Rosenthal, E.C., and H.J. Weiss, “A Data Envelopment Analysis Approach for Ranking Journals,” *Omega: International Journal of Management Science* 70 (2017) 135-147.

Rosenthal, E.C., “A Cooperative Game Approach to Cost Allocation in a Rapid-Transit Network,” *Transportation Research Part B: Methodological* 97 (2017) 64-77.

Rosenthal, E.C., and E.M. Eisenstein, “A Rescheduling and Cost Sharing Mechanism for Delayed Arrivals,” *Computers & Operations Research* 66 (2016) 20-28.

Rosenthal, E.C., “Shortest Path Games,” *European Journal of Operational Research* 224,1 (2013) 132-140.

Rosenthal, E.C., Chaudhry, S.S., Choi, I.-C., and Jang, J., "On a Branching Problem in Broadcasting and Distribution," *Computers & Operations Research* 39,8 (2012) 1793-1799.

Rosenthal, E.C., "A Pricing Model for Residential Homes with Poisson Arrivals and a Sales Deadline," *Journal of Real Estate Finance and Economics* 42,2 (2011) 143-161.

Sinha, J.I., and E.C. Rosenthal, "The Costs and Perils of Over-Targeting in Today's Markets" *The Marketing Review* 9,3 (2009) 243-250.

Rosenthal, E.C., "A Cooperative Game Approach to Transfer Pricing in a Vertically Integrated Supply Chain," *International Journal of Production Economics* 115,2 (2008) 542-552.

Murphy, F.H., and E.C. Rosenthal, "Allocating the Added Value of Energy Policies," *The Energy Journal* 27,2 (2006) 143-156.

Aloysius, J.A., and E.C. Rosenthal, "The Selection of Joint Projects by a Consortium: A Cost Sharing Mechanism," *Journal of the Operational Research Society* 50 (1999) 1244 – 1251.

Rosenthal, E.C., "Information and Strategyproofness in Joint Project Selection," *Journal of Public Economics* 68,2 (1998), 207-221.

Rosenthal, E.C., Zydiak, J.L., and S.S. Chaudhry, "Vendor Selection with Bundling," *Decision Sciences* 26,1 (1995) 35-48.

Parkhe, A., Rosenthal, E.C., and Chandran, R., "Prisoner's Dilemma Payoff Structure in Interfirm Strategic Alliances: An Empirical Test," *Omega International Journal of Management Science* 21,5 (1993) 531-539.

Rosenthal, E.C., "Coalition Formation under Limited Communication," *Games and Economic Behavior* 4 (1992) 402-421.

Weiss, H.J., and Rosenthal, E.C., "Optimal Ordering Policies when Anticipating a Disruption in Supply or Demand," *European Journal of Operational Research* 59 (1992) 370-382.

Rosenthal, E.C., "Cooperative Games Arising from Network Flow Problems," *European Journal of Operational Research* 51 (1991) 405-411.

Rosenthal, E.C., "Monotonicity of Solutions in Certain Dynamic Cooperative Games," *Economics Letters* 34 (1990) 221-226.

Rosenthal, E.C., "Monotonicity of the Core and Value in Dynamic Cooperative Games," *International Journal of Game Theory* 19,1 (1990) 45-57.

Rosenthal, E.C., "Communication Networks and their Role in Cooperative Games," *Social Networks* 10 (1988) 255-263.

Rosenthal, E.C., "Communication and its Cost in Graph-Restricted Games," *Theory and Decision* 25 (1988) 275-286.

Rosenthal, E.C., “The Minimum Cost Spanning Forest Game,” *Economics Letters* 23,4 (1987) 355-357.

Research in Progress:

Trudeau, C., and Rosenthal, E.C., “The Pipeline Externalities Game,” in preparation for submission.

Books:

(1.) *The Era of Choice: The Ability to Choose and its Transformation of Contemporary Life*. Interdisciplinary treatise on choice and its manifestations in economic, social and natural sciences (336 pp.). Published by MIT Press, September 2005 (hardcover) and October 2006 (softcover).

Italian Translation: *L'età della scelta: Scegliere è diventata la questione più importante del nostro tempo*. Apogeo, Milan (2006).

Winner, *ForeWord Magazine's* Book of the Year Award: Silver Medal, 2005, Philosophy.

The Era of Choice has been reviewed in:

Publisher's Weekly (starred review)
Financial Times
The Guardian
Sociology (British Sociological Association)
Journal of Macromarketing
Choice
Journal of Consumer Policy
Metapsychology Online
Journal of Scientific Exploration
Trends in Cognitive Sciences

(2.) *The Complete Idiot's Guide to Game Theory*. A serious and comprehensive, but not highly mathematical introduction to game theory (362 pp.). Published by Alpha Books (Penguin Random House), March 2011.

Book Chapters:

Rosenthal, E.C., “The Ways We Decide: Reconciling Hearts and Minds,” in *Breakthroughs in Decision Science and Risk Analysis*, Louis Anthony Cox, Jr. (Ed.), John Wiley & Sons, Inc., (2015), pp. 19-53.

Media Quotes and Appearances:

The Conference Board Review (March/April 2006)
WHYY FM (“A Chef's Table,” September 2006)

BBC World Service (“Culture Shock,” December 2007)
Associated Press (“Distraction 2008: Freedom of choice – or from it?” August 2008)
Law360.com (“3 Rules for Negotiating Great Settlements,” September 2008)
LowesForPros.com (“Tips for Inventory Management,”) October 2008
Wikipedia (“Choice”)

Unpublished Research:

“Blending Behavioral Decision Theory into Decision Tree Analysis: An Application to Litigation and Settlement,” December 2007.

“A Matter of Trust: Psychological Contract Breach in New and Established Supply Chain Collaborations,” with Misty Blessley, working paper.

“The Effect of Political Orientation on Strategic Decision Making,” with Vinod Venkatraman and VS Vaidyanathan, under revision.

Referee for Academic Journals:

African Journal of Business Management
Annals of Operations Research
Applied Mathematical Modelling
BioSystems
Computers & Operations Research
Decision Sciences
European Journal of Operational Research
Expert Systems with Applications
Games and Economic Behavior
Interfaces
International Game Theory Review
International Journal of Management Science and Engineering Management
International Journal of Production Economics
Journal of Industrial and Management Optimization
Journal of the Operational Research Society
Journal of Optimization Theory and Applications
Journal of Systems Science and Systems Engineering
Management Science
Mathematics of Operations Research
Naval Research Logistics
Omega International Journal of Management Science
Operations Research Letters
ORSA Journal on Computing
Scientometrics
The Review of Economic Studies
TOP (Journal of the Spanish Society for Statistics and Operations Research)
Transportation Research Part B: Methodological
Transportation Research Part E: Logistics and Transportation Review