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**Gabriel Y. Weintraub**

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**Professional Experience**

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COLUMBIA BUSINESS SCHOOL

Assistant Professor.  
Decision, Risk, & Operations Division.  
July 2006 – present

HARVARD KENNEDY SCHOOL OF GOVERNMENT

Visiting Scholar  
Mossavar-Rahmani Center for Business and Government  
July 2006 – June 2007

UNIVERSITY OF CHILE

Full time Instructor.  
Industrial Engineering Department.  
November 1999 – August 2001.

**Education**

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STANFORD UNIVERSITY, Stanford, CA

Ph.D. in Management Science and Engineering, 2001-2006.  
M.A. in Economics, 2005.

UNIVERSITY OF CHILE, Santiago, Chile

Industrial Engineering Degree, 1993-1999 (graduated with Highest Honors).  
Bachelor Degree in Industrial Engineering, 1993-1997 (graduated with Highest Honors).

**Research Interests**

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Economic analysis of problems in operations and management science, industrial organization, and computational economics.

**Working Papers**

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Farias, V., D. Saure, and G.Y. Weintraub (2008), The Linear Programming Approach to Solving Large Scale Dynamic Stochastic Games, submitted for publication.

Weintraub, G.Y., C.L. Benkard and B. Van Roy (2008), Computational Methods for Oblivious Equilibrium, submitted for publication.

Weintraub, G.Y., R. Johari and B. Van Roy (2008), Investment and Market Structure in Industries with Congestion, submitted for publication.

Weintraub, G.Y., C.L. Benkard and B. Van Roy (2009), Industry Dynamics: Foundations for Models with an Infinite Number of Firms, submitted for publication.

Weintraub, G.Y., C.L. Benkard, P. Jeziorski, and B. Van Roy (2008), Nonstationary Oblivious Equilibrium.

Johari, R. and G.Y. Weintraub (2008), Competition and Contracting in Service Industries.

Adlakha, S., R. Johari, G.Y. Weintraub, and A. Goldsmith (2008), Oblivious Equilibrium for Stochastic Games with Concave Utility.

### **Published Papers**

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Weintraub, G.Y., C.L. Benkard and B. Van Roy (2008), Markov Perfect Industry Dynamics with Many Firms, *Econometrica*, Vol. 76, No. 6 (November), 1375–1411.

Epstein, R., L. Henríquez, J. Catalán, G.Y. Weintraub, C. Martínez and F. Espejo (2004), A Combinatorial Auction Improves School Meals in Chile: a Case of Operations Research in Developing Countries, *International Transactions in Operational Research*, Vol. 11, No. 6, 593-612 (*Special issue, IFORS “Operations Research for Development” Prize 2002, winner paper*).

Mondschein, S. and G.Y. Weintraub (2003), Appointment Policies in Service Operations: A Critical Analysis of the Economic Framework, *Production and Operations Management*, Vol. 12, No. 2, 266-286.

Epstein, R., L. Henríquez, J. Catalán, G.Y. Weintraub, and C. Martínez (2002), A Combinatorial Auction Improves School Meals in Chile, *Interfaces*, Vol. 32, No. 6, 1-14.

### **Refereed Conference Proceedings**

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Adlakha, S., R. Johari, G.Y. Weintraub, and A. Goldsmith (2008), Oblivious Equilibrium for Large-Scale Stochastic Games with Unbounded Costs, *IEEE Conference on Decision and Control*.

Adlakha, S., R. Johari, G.Y. Weintraub, and A. Goldsmith (2008), Oblivious Equilibrium for Stochastic Games with Concave Utility, *Allerton Conference on Communications, Control and Computing*.

Abhishek, V., S. Adlakha, R. Johari, and G.Y. Weintraub (2007), Oblivious Equilibrium for General Stochastic Games with Many Players, *Allerton Conference on Communications, Control and Computing*.

Weintraub, G.Y., C.L. Benkard and B. Van Roy (2005), Oblivious Equilibrium: A Mean Field Approximation for Large-Scale Dynamic Games, *Advances in Neural Information Processing Systems*, MIT Press.

### **Published Papers in Spanish**

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Epstein, R., L. Henríquez, F. Espejo, J. Catalán, G.Y. Weintraub, and C. Martínez (2003), An Example of Optimization, *Perspectivas en Política, Economía y Gestión*, Vol. 6, No. 2, 181-202.

Mondschein, S. and G.Y. Weintraub (2001), Is it Convenient to Make Appointments in a Service Company?, *Revista de Ingeniería de Sistemas*, Vol. 16, No. 1, 21-48.

Epstein, R., L. Henríquez, J. Catalán, G.Y. Weintraub, and C. Martínez (2001), Integer Programming Improves the Auction Process of School Meals, *Revista de Ingeniería de Sistemas*, Vol. 15, No. 1, 13-30.

### **Teaching Experience**

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Operations Management, Core MBA course, Columbia Business School (Summer 2007, Spring 2008, Fall 2008).

Game Theoretic Models in Operations, PhD Seminar, Columbia Business School (Spring 2008).

Stochastic Models (undergraduate), Department of Industrial Engineering, University of Chile (Fall and Spring, 2000; Fall 2001).

Optimization (undergraduate), Department of Industrial Engineering, University of Chile (Spring, 1999 and Fall, 2000).

### **Honors and Awards**

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The Social Enterprise Program research grant, Columbia Business School, 2008-2009.

NET Institute summer grant, 2007.

Chicago-Argonne Institute on Computational Economics 2005 Fellow, Economics Research Center, University of Chicago.

Lillie Fund 2004 and 2005 for collaborative projects between the School of Engineering and Graduate School of Business, Stanford University (one quarter assistantship each).

IFORS (International Federation of Operational Research Societies) Prize for “Operations Research in Development 2002,” given every three years to the best application of operations research/management science in a developing country.

Stanford School of Engineering Fellowship, 2001-2002.

Chilean “Presidential Fellowship” 2001 for graduate studies abroad (declined).

Co-principal investigator, Fondecyt project, 2001, Chile (NSF equivalent).

Best Student Award of the 1999 class of the School of Engineering, University of Chile.

Best Teaching Assistant Award 1998, Industrial Engineering Department, University of Chile.

Dean’s List 1993-1999, School of Engineering, University of Chile.

University of Chile School of Engineering Fellowship, 1993.

### **Invited Presentations and Conferences**

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2008: MIT Sloan, Stanford MS&E, Stanford GSB, NET Institute Conference (NYU Stern), Informs Annual Meeting, MSOM Conference, World Congress of the Game Theory Society.

2007: NYU Stern, Cornell Johnson School, Informs Annual Meeting, International Industrial Organization Conference; plenary speaker SKM Congress 2007, Santiago, Chile (conference on Business Intelligence for 500 executives).

2006: Columbia Business School, Duke Fuqua School, Iowa Economics Dept., Rochester Simon School, UCLA Anderson School, UIUC Economics Dept., UIUC Industrial & Enterprise Systems Engineering Dept., UT Austin Economics Dept, Informs Annual Meeting.

2005 and before: Informs Annual Meeting (2005), Institute on Computational Economics 2005 (students' poster presentation), Stanford Institute for Theoretical Economics (SITE 2004), MURI, Decision-Making Under Uncertainty Meeting, Stanford University (2003), X Latin-Ibero-American Conference on Operations Research and Systems (2000).

### **Professional Service**

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Co-chair Game Theory cluster, Latin Ibero-American Congress on Operations Research 2008.

Co-chair several sessions, Informs Annual Meeting 2005, 2007, 2008.

Referee for: Fondecyt-Chile (NSF equivalent), IEEE JSAC, NSF, Management Science, M&SOM, M&SOM Student Paper Competition, SIG M&SOM Conference, Operations Research, Production and Operations Management, Review of Economic Studies, and Transportation Science.

Co-organizer Latin American Operations Research Summer School, Chile, 2001.

Professional society affiliations: Informs, AEA, Econometric Society.