

Prof. Dr. Sencer Ecer

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EDUCATION AND ACADEMIC DEGREES

The University of Texas at Austin (f.1883), Ph.D., Economics, 2002, M.S., Economics, 1999

Ph.D. Dissertation: Incentives in Product Design
Fields: Econometrics, Game Theory, Industrial Organization

Bogazici University (f.1863), Istanbul, Coursework in Ph.D., Economics, 1999

Fields: Economic Design, Social Choice Theory

Economics Graduate Courses: Game Theory, General Equilibrium (with lectures in Topology), International Finance, Real Analysis (from the M.S. in Mathematics Program), Social Choice Theory, Theory of Binary Relations,

Bogazici University (f.1863), Istanbul, M.A., Economics, 1996

Master's Thesis: A Comparative Analysis of Social Choice Procedures
Fields: International Trade, Development Economics

Istanbul Technical University (f.1773), B.S., Industrial Engineering, 1994

Graduation Project: Competitive Advantage
Senior Year Project: Just-in-Time Production: A Kanban Simulation

Nisantasi Anadolu High School (former English High School, f.1905), Istanbul, 1990

Hurriyeti Ebediye Elementary School (f.1934), Sisli, Istanbul, 1983

EMPLOYMENT

Istanbul Technical University, 2010-

Professor and Chair, Department of Economics, 4/2017 –
Professor and Vice Chair, Department of Economics, 2/2017 – 4/2017
Associate Professor and Vice Chair, Department of Economics, 5/2013 – 2/2017
Associate Professor, Department of Management Engineering, 11/2011 – 5/2013
Assistant Professor, Department of Management Engineering, 8/2010 – 11/2011
(See Appendix A for supervised master's theses and graduation projects).

LECG, LLC, Washington, DC, 2002-2010 **Law and Economics Consulting Group**

Principal, (Promoted from Senior and Managing Economist), August 2002 – July 2010
Provided economic consulting and expert witness services mainly in
Antitrust/Competition Policy, Damages, and International Arbitration.

Georgetown University, Washington, DC, 2004-2010

Adjunct Associate Professor, Public Policy Institute (GPPI), August 2004 – May 2010
Supervised 30 Master of Public Policy theses. (See Appendix B)
Adjunct Assistant Professor, Economics Department, Spring 2006

Koc University, Istanbul, 2012, 2014

Adjunct Professor, Department of Economics, Spring 2012, Spring 2014

Sabanci University, Istanbul, 2011-2014

Adjunct Professor, Department of Economics, Spring 2011, Summer 2011, Spring 2012, Summer 2012, Spring 2014

The University of Texas at Austin, 1997-2002

Assistant Instructor (teaching with full responsibility), Department of Economics,
Summers 2000 & 2001
Teaching Assistant, Department of Economics, 1997-2002 (Doctoral (with Problem
Sessions), Intermediate, and Principles of Microeconomics, Industrial Organization)
Research Assistant, Department of Economics, 2000-2002 (Portfolio Behavior of
Bond Fund Managers and Money Speculation (with R. Dusansky))

Bogazici University, Istanbul, 1995-1997

Teaching Assistant, Department of Economics, 1995-1997 (Theory of Binary
Relations (graduate, with Problem Sessions), Econometrics I, Statistics I, Principles
of Macroeconomics)
Research Assistant, Department of Economics, 1995-1997 (Revealed Comparative
Advantage in Agriculture (with G. Evcimen) and Properties of Social Choice Rules
(with F. Aleskerov))

EXPERT WITNESS AND ECONOMIC CONSULTING SERVICES

International Arbitration

- **ICSID:** Consulting regarding the alleged expropriation of investments in the textile industry in Uzbekistan (2018-)
- **Construction:** Oversaw in a contractor claim the damages computation in relation to the delay experts' delay and loss of productivity analyses (2018-)
- **ICSID (Construction):** Authored Damages (Quantum) Report for RFA and initial settlement negotiations. Breach of Construction Contract (Middle East), (2016-).
- **ICSID (Written Expert Testimony):** Co-authored and submitted Damages (Quantum) Report in an international treaty arbitration in oil industry (Central Asia), (2012-2014)
- **ICC:** Modeled Damages in an international treaty arbitration case in infrastructure (Middle East), (2015)
- **ICSID:** Analyzed Damages in alleged expropriation of investments in electricity distribution assets (Europe), (2008).
- **SCC:** Managed case in Damages (Quantum) Report for expropriation of equity shareholdings in a crude oil company (Asia), (2008).
- **ICSID:** Analyzed Damages due to expropriation of investments in the exploration, development and production of heavy crude oil and LPG (South America), (2007).

Competition Policy / Antitrust / Regulation

- **Turkish Competition Authority:** Consulting on a horizontal merger: Market Definition for Merger Proposal (survey design for diversion ratio estimation, conglomerate effects) (2017-) (2017-)
- **Turkish Competition Authority:** Co-authored report on Horizontal Agreements, Exclusionary Conduct (Refusal to Deal, Vertical Foreclosure) (2016)
- **Court of First Instance, Turkey:** Authored report on Damages, Horizontal Agreements, Exclusionary Conduct (Refusal to Deal, Vertical Foreclosure) (2016)
- **Telecom (Vendor):** Ranking of industries in Turkey in terms of potential revenues of MNOs from digitalization (2017-)
- **Telecom (MNO/Turkey):** Regulatory Consulting (Marginal Termination Rate, On-net Price Controls (ARMU), Price Squeeze, Port-Transmission Pricing Models, IPTV, Infrastructure Sharing) (2015-2016)
- **Telecom/Regulatory Consulting (Vendor):** Authored Report on the Economic Impact of LTE Sharing in the Mobile Broadband Services Market (2014)
- **US Circuit Court, Charlottesville, VA:** Provided advice on the economics of auctions (pro-bono, testifying capacity, case settled, not testified) (2014).
- **U.S. Department of Justice, US District Court, District of Massachusetts:** Economic/statistical analysis, Reverse discrimination (testifying capacity, case settled, not testified) (2008-2009).
- **Mail Order Pharmacy:** Pre-litigation consulting in Promotion: Discrimination Econometric analysis of pharmacist errors for a mail-order pharmacy.

Competition Policy / Antitrust / Regulation - continued

- **Republic of Turkey:** Co-authored Damages report on investigation of embezzlement accusations for a state institution (2013-2017)
- **Court of First Instance, Turkey:** Co-Authored report on Damages analysis on violation of IP/competition law (2012-2013)
- **U.S. International Trade Commission (ITC):** Co-Authored report on Antidumping Investigation. Thermal Transfer Ribbons: Economic Analysis of the U.S. Industry and Market (with A. Wechsler), *Economic Expert's Report*, June 25, 2003

Public Policy Consulting Expert

- **Energy (Ministry/Turkey):** Economic Impact Analysis of Certain Energy Investments (2018-).
- **Energy (Ministry/Turkey):** Economic Impact Analysis of Removing Daylight Saving Time (2016).
- **Impact Analysis/Retail (Fortune 5 Company):** Conducted Economic Impact Analysis (RIMS II) of various superstores in California and Nevada for proceedings before city councils, co-authored report for a Fortune 5 company (with L. Hatamiya) (2007)
- **Energy/Infrastructure (Fortune 5 Company), American Economy in 2020:** Contributed to a **White Paper** on the investments and actions needed for a Competitive American Economy in 2020 for a **Fortune 5 company**. Covered areas ranging from improving conventional, unconventional, and renewable **energy resources and water resources** as well as efficiency in various sectors of the economy (2010).

Management Consulting Expert

- **Energy/Feasibility Analysis (for a Private Equity firm):**
 - Bitumen (2015)
 - Biofuel (2013)
- **Energy/Valuation for M&A (for a Private Equity firm):**
 - Gasoline Distribution and Retail (2014)

Economic Consulting as Senior/Managing Economist at LECG (non-expert roles)

Mergers and Acquisitions: Addressed concerns of the DOJ, FTC, or EC DG Competition on unilateral and coordinated effects.

- Conducted Upward Pricing Pressure (UPP) and Critical Loss Analysis (CLA)
- Statistically analyzed scanner data (beverages) & airline (O&D Hub, Hub Sup) data.

Econometrically analyzed the extent of the market and the effect of upstream merger on distributor competition.

Antitrust:

- **Advanced time-series econometric analysis** in numerous cases.
- **Advanced game theoretical analysis:** Extended several oligopoly models to asymmetric costs and differentiated products, produced analytic and simulation results
- Showed that the manufacturer has economic incentives to allow transshipment only under the circumstances opposite to the plaintiffs' claim (Beverage industry, where a bottler has allegedly transshipped to another bottler's territory).
- Conducted analysis of a downstream distribution agreement between two leading global producers of a mineral in proceedings before the EC DG Competition.
- Modeled impact of vertical integration in the markets for residential insulation.

Economic Consulting as Senior/Managing Economist at LECG (non-expert roles) -continued

- Performed economic analyses of industries: mutual funds, welding, metal forming, consumer credit (Russia).
- Analyzed the impact of countervailing power in an intellectual property case.
- **Pricing and Class Certification Analysis in Price Fixing/Cartel cases:** Analyzed transaction data to compute net prices (net of complicated rebates, discounts, returns etc.) in time and investigated price movements at the alleged period and analyzed documents and data for product differentiation, cost structures, contracts, price negotiations, profit margins, import competition, and input prices.

Damages / Healthcare:

Using statistical/econometric and financial/valuation techniques, modeled & computed damages due to alleged anticompetitive conduct, drug marketing practices not approved by FDA, business interruption, false advertising, delayed entry, breach of contract, overcharges, and asbestos containing material. Significant pharmaceutical industry experience (Hatch-Waxman Act, settlement agreements, reverse payments, launch-at-risk, authorized generics).

Other:

Executive Compensation:

Managed three very high-profile cases (2007). Analyzed macroeconomic conditions during the period where certain collateralized mortgage obligations/real estate mortgage investment conduits (Collateralized Mortgage Obligations (CMO) / Real Estate Mortgage Investment Conduits (REMIC)) transactions were conducted.

PUBLICATIONS

- Regulation Contributing to Sustainable Development: The Case of Turkey (with D. Seymour), *Industrial Policy and Sustainable Growth in Developed and Developing Countries*, Springer Sustainable Growth Series, (ed.M. Yulek), 2017
- A Health Economics Perspective on the Effects of Cognitive Disorders, (in Turkish), (with H. Camas and I. Dastan), in *Cognitive Disorders and Dementia* (ed. H. Gurvit), Ada-Yayın, forthcoming
- Revenue Composition and Efficiency in the Nonprofit Sector: An Empirical Analysis (with M. Magro and S. Sarpca), *Non-profit and Voluntary Sector Quarterly* (SSCI), 2017
- The Shifting Determinants of Defense Spending Preferences between 1980 and 2008 (with N. Veasey), *Defence and Peace Economics* (SSCI), 2015, 26, 1, 75-88.
- Commercial research at universities and career choices of science and engineering doctoral students (with J. Huang and S. Sarpca), *Economics Bulletin*, 2014, 34, 2, 850-855.
- The IMF and the Catalytic Effect: Do IMF Agreements Improve Access of Emerging Market Economies to International Financial Markets? (with M. Arabaci), *The World Economy* (SSCI), 2014, 37, 11, 1575–1588.
- Stage Specific Effects of the Sarbanes-Oxley Act, (with S. Khalid), *Journal of Entrepreneurship and Public Policy*, 2013, 2, 2, 110-129.
- An Econometric Analysis of the Remittance Determinants among Ghanaians and Nigerians in the United States, the United Kingdom, and Germany, (with A. Tompkins), *International Migration* (SSCI), 2013, 51, s1, e53-e69.
- Multimarket Contact in Vertically Related Markets, (with T. Genc), *INFOR: Information Systems and Operations Research*, Special Issue on Game Theory in Energy, 2010, 4, 11, 193-280.
- An Econometric Study of Illegal Electricity Connections in the Urban Favelas of Belo Horizonte, Brazil, (with L. Mimmi), 2010, *Energy Policy* (SSCI), 38, 9, 5081-5097.
- The TRIPS Agreement and Its Effects on the R&D Spending of U.S.-Owned Multinational Companies in Developing Countries, (with D. Akers), 2009, *Journal of World Trade* (SSCI), 43, 6, 1173–92.

- Advances in Preventing Aircraft Accidents, (in Turkish), (with G. Ay), *Journal of Knowledge Economy and Management* (Bilgi Ekonomisi ve Yonetim Dergisi), Spring 2009, 4, 1, 85-94.
- A Rational Expectations Critique of Merger Policy Analysis, *Economics Letters* (SSCI), 2005, 86, 1, 73–77
- A Welfare Analysis of Prohibitions on Reverse Payments in Pharmaceutical Patent Disputes, with and without the Hatch–Waxman Entry Injunction, (with R. Higgins), *George Mason Law Review*, 2005, 12, 4
- Post–Merger–Blockage Strategic Product Design Changes, *American Bar Association Economics Committee Newsletter*, Spring 2005
- Sequential Product Design, *Netnomics*, May 2003, 5, 1, 33–42
- Procedures and models of group decision making, (in Turkish), (with F. Aleskerov), *Collective Essays for Prof. Suna Kili* (Suna Kili'ye Armagan), Bogazici University Press, 1998, 51–76
- Procedures of Group Decision Making, (in Turkish), (with F. Aleskerov), *Financial Notes* (Maliye Yazilari), April–June 1997, 55, 18–42

WORKING PAPERS

- Application of Bargaining Theory in Reverse Payment Cases, 2018
- Optimal Endogenous Merger Policy with Strategic Product Repositioning, 2013
- Optimal Merger Policy with Policy Variant Non-Price Strategies and Deterred Mergers, 2012
- Qualitative Differences in the Moral Hazard Effect of Health Insurance across Medical Services, (with C. Koc), 2012
- The Effect of Systemic Banking Crises on Openness to Trade (with M. Aleksic), 2010
- Regulations and Multi-Factor Productivity: OECD Evidence (with A. Hong), 2010
- Short-term Health Effects of the Business Cycle, (L. Dippold), 2009
- A Modified Cournot Approach to Distribution Agreements, (with H. Kahwaty, J. Nieberding, C. Tyler, D. Weiskopf), 2008
- The Competitive Effects of a Vertical Merger, (with R. Higgins), LECG, 2003
- Strategic Product Design, University of Texas, 2002
- Bond Fund Money Speculation and Interest Rate, (with R. Dusansky), University of Texas, 2000

CONFERENCE PRESENTATIONS

- International Clean Energy Symposium, Istanbul, 2016
 - Economic Effects of Daylight Saving in Turkey
- European Association for Research in Industrial Economics
 - Strategic Product Redesign, Milan, 2014
 - Optimal Merger Policy with Policy Variant Non-Price Strategies and Deterred Mergers, Rome, 2012 (also discussant)
- Global Conference On Healthcare Systems Engineering (GCHSE)
 - Different Types of Moral Hazard in Health Insurance, 2014
- European Law and Economics Association (also discussant in all):
 - Optimal Endogenous Merger Policy with Strategic Product Repositioning, Stockholm, 2012
 - Optimal Merger Policy with Policy Variant Price and Non-Price Strategies, Hamburg, 2011
- International Industrial Organization Conference (also discussant in all sessions, chair in 2004):
 - Optimal Endogenous Merger Policy with Strategic Product Repositioning, Washington, 2012
 - Optimal Merger Policy with Policy Variant Price and Non-Price Strategies, Boston, 2011
 - Multimarket Contact and Collusion across Vertically Related Industries, Boston, 2006
 - The Law of Unintended Consequences and Merger Policy, Atlanta, 2005
 - A Rational Expectations Critique of Merger Policy, Chicago, 2004
 - Price Collusion under Multilevel Contact, Boston, 2003
- New Horizons in Health Economics, Invited Plenary Talk, International Conference on Mathematical Finance and Economics, Istanbul, 2011
- Eastern Economic Association, Welfare Effects of Strategic Responses of Firms to Merger Policy Changes, NY, 2011
- International Society for New Institutional Economics: A Rational Expectations Critique of Merger Policy Analysis, Tucson, AZ, 2004
- George Mason Law Review Symposium: A Review of the Science Underlying Studies of Obesity, Washington, DC, 2004 (with R. Higgins)
- Midwest Economic Assoc., Chicago (also discussant): Strategic Product Design, 2002
- 4th Workshop on the Microeconomics of the New Economy, Kiel Institute of World Economics: Strategic Product Design, 2001

GRANTS AND FELLOWSHIPS

- FP7 Social Sciences and Humanities Grant, 2014-2017
- FP7 Marie Curie International Reintegration Grant, 2010-2014, (M.C. Fellow, 2010-)
- TUBITAK Encouragement Award for Participation in EU FP, 2011
- The David Bruton, Jr. Graduate Fellowship 2001-2 (Univ. of Texas)
- Travel Grants, Kiel Institute of World Economy, 2001; Preston McAfee's Murray S. Johnson Chairship; Dale Stahl's Malcolm Forsman Centennial Professorship, Univ. of Texas, 2001
- Summer Tuition Fellowships, Dean of Graduate Studies, 1999, 2000 (Univ. of Texas)

INVITED DEPARTMENTAL SEMINARS

ITU Energy Institute (2015), Izmir Economics University (2012), Bilkent University (2011), ITU Energy Institute (2010), Koc University (2010), Sabanci University (2009), Istanbul Technical University (2009), University of Guelph (2006), Bogazici University (1996).

INVITED SPEECHES

- Damages Calculations in Investment Arbitrations, May 11, 2017, Istanbul
- SEISMIC (EU Project), Turkish National Network Launch Day, Sept. 19, 2014, Istanbul
- ITU EU Research Centre, Marie Curie Information Day, May 26, 2014, ITU
- TUBITAK Marie Curie Information Day, October 8, 2012, Istanbul, Kadir Has University
- ITU EU Research Centre, Marie Curie Information Day, May 17, 2012, ITU
- TUBITAK Research Destination Turkey Workshops (April 10-14, 2012: DC, NY, Chicago)

HONORS

- Nominated by LECG as one of the next generation of leading competition economists for the Young Economist Feature of Global Competition Review, 2006, Washington, DC
- Distinction in the PhD Qualification Exam in Microeconomics, 1998 (University of Texas)

TEACHING (English is Medium of Instruction Unless Otherwise Stated)

Istanbul Technical University, Department of Economics (BS Program in Economics)

- Turkish Economy, Fall 2017, Fall 2018
- Environmental Economics, Spring 2017
- Health Economics, Fall 2016, Fall 2018
- Principles of Microeconomics, Fall 2014-2018
- Principles of Macroeconomics, Spring 2014

Istanbul Technical University, Institute of Social Sciences (Graduate School)

- Advanced Microeconomics (PhD), Fall 2013-2018
- Health Economics, Fall 2016
- Graduate Microeconomics I (MA, in Turkish), Fall 2011 (with O. Kayalica), Fall 2012-2015
- Graduate Microeconomics II (MA) Spring 2011 (with O. Kayalica), Spring 2012
- Managerial Economics (MBA), Fall 2010, Fall 2011, Fall 2012
- Managerial Economics (MS program in Retail Textiles, in Turkish), Spring 2017

Istanbul Technical University-State University of New York (Joint BS Program in Economics)

- Intermediate Microeconomics, Fall 2011-2012
- Directed Reading, Spring 2011

Istanbul Technical University, Service Courses

- Principles of Economics, Fall 2013-2015
- Principles of Economics (in Turkish), Fall 2010-2011, Spring 2011-2012, Fall 2012 (two sections)

Koc University, Department of Economics (BA Programs in Economics and Business Administration)

Health Economics, Spring 2012-2014

Sabanci University, Faculty of Arts and Sciences (BA Program in Economics and Master of Public Policy Program)

- Health Economics and Policy, Spring 2012, Summer 2012, Spring 2014

Sabanci University, Faculty of Arts and Sciences (BA Program in Economics)

- Health Economics, Spring 2011, Summer 2011

Georgetown University, Public Policy Institute (Master of Public Policy Program)

- MPP Thesis Supervision Course, Georgetown University, 2004–2010

Georgetown University, Economics Department (BA Program in Economics)

- Economic Statistics, Spring 2006

The University of Texas at Austin, Department of Economics (BA Program in Economics)

- Economic Statistics, Summers 2000 & 2001

OTHER TEACHING

ITU, Continuing Education Center (Certificate Program in Health Tourism), Health Economics, February 2014

FUNDED RESEARCH EVENT PARTICIPATION

- H2020 European Health Brokerage Event, January 13, 2016, Paris (TUBITAK)
- FP7 SEISMIC (EU Project), General Assembly, November 24, 2014, Brussels
- H2020 European Health Brokerage Event, July 4, 2014, Lyon (ITU BAP)
- In2Societies 2012 International Brokerage Event, October 5, 2012, Brussels (TUBITAK)
- Active Aging – The Potential for Society, Conference and Brokerage Event, July 9-11, 2012, Dublin (TUBITAK)

FUNDED EVENT PARTICIPATION

- New Challenges in Competition Law Enforcement, IMEDIPA, 6 June 2014, Istanbul
- The Federal Reserve in the 21st Century Operating Targets and Policy Tools, FRB New York, 3-4 March 2013

LANGUAGE SKILLS AND UTILITIES

- English (Fluent), Turkish (Native), French (Reading)
- Stata, Matlab, Gauss, R, LyX, Gnuplot (Unix), LaTeX, MikTeX, Scientific Workplace

OTHER ACADEMIC ACTIVITIES:

- *Chairman:* ITU Workshop in Health Economics by M. Nuijten, (funded by TUBITAK, 2017).
- *Chairman,* Workshop on the Economic Impact of LTE Sharing, April 21, 2014, Istanbul
- *Scientific Advisory Board,* Global Conference On Healthcare Systems Engineering (GCHSE) August 5-8, 2014, Istanbul
- *Organizer,* Department of Economics Seminar Series, ITU, September 2013-2014 (Raised Funds from a stock exchange and a high-technology firm)
- *Local Organizing Committee,* World Congress of Environmental and Resource Economists, June 28 – July 2, 2014, Istanbul
- *Founder and President* of Financial Technologies Research Group, Department of Economics, Istanbul Technical University (December 2014 – present)
- *Founding Member,* Insurance Research Group, Department of Economics, Istanbul Technical University (November 2014 – present)
- *Founder and President* of Health Economics Research Group, Department of Economics, Istanbul Technical University (April 2014 – present)
- *Founder and President* of Energy Economics Research Group, Energy Institute, Istanbul Technical University (July 2011 – present)
- *Referee:* ITU Technology Transfer Office (2015, 3 projects), (2016)
- *Referee:* Journal of Economic Theory (2002), International Migration (2008-2011), The B.E. Journal of Economic Analysis & Policy (2012), Economics Bulletin (2013-)
- *Referee:* TUBITAK Social and Behavioral Sciences Support Group (2011-)
- *Member:* American Economic Association (2001-), Industrial Organization Society (2003-)
- *Member:* Academic Council, Air Transport Management, Istanbul Technical University (2014-)
- *Member:* Academic Council, Energy Institute, Istanbul Technical University (2010-)

MANAGERIAL AND ADMINISTRATIVE EXPERIENCE

- *Chair*, Department of Economics, ITU, April 2017-
- *Member*, ITU Rectorate, Assignment and Promotion Commission, 2/2018 -.
- *Member*, University Awards Commission, ITU, 01/2014-.
- *Member*, ITU Rectorate, Scientific Research Projects (BAP) Commission, 12/2016 -.
- *Member*, ITU Rectorate, Course Load Balancing Commission, 09/2016 -11/2016.
- *Member*, ITU Rectorate, Faculty Performance Evaluation Commission, 09/2015-12/2015.
- *Member*, ITU Rectorate, University Academic Incentive Commission (Ad Hoc), December 2015.
- *Member*, Faculty Board, Faculty of Management, ITU, April 2017-
- *Member*, Faculty Council, Faculty of Management, ITU, January 2015-
- *Vice Chair*, Department of Economics, ITU, September 2013-April 2017 (Revision of Undergraduate and Graduate Economics Curricula, AEA/ASSA Recruitment)
- *Reporter*, ITU Rectorate, University Academic Quality Commission (Ad Hoc), June 2016.
- *Member*, National and International Ranking Assessment Commission, ITU, 07/2014-12/2014
- *Member*, University Rental Rate Estimation Commission, ITU, 08/2012-12/2012.
 - *Presided over or participated* in procurement auctions for various units
- *Member*, Faculty Commissions on 1) Transfer Students (Since 10/2013), 2) Adaptation of Incoming Students (Since 10/2013), 3) Fellowship Allocations (Since 10/2013).
- *Course Design*: Designed the following ABET-compliant undergraduate (U) and graduate (G) courses for Istanbul Technical University for various economics and management programs (2010-2011): Advanced Microeconomics (G), Advanced Macroeconomics (G), Advanced Econometrics (G), Advanced Research Methods (G), Energy Economics (U), Health Economics (U), Industrial Organization (U,G), Game Theory (G), Market Structure and Strategic Behavior (U), Theory of Market Distortions and Regulations (U), Applied Economics (G), Engineering Economics (G), Managerial Economics (G). (2010-)

- *Member:* Graduate and PhD Applications Interview Committee (2014), PhD Qualifier Examinations Committee (2014-), English Language Exam. Committee for Asst. Prof.s (2013-)
- *Manager:* LECG Washington DC Office Junior Staff Manager, 2005 to 2010.
- *Recruitment Leader:* LECG's Georgetown Univ. National Recruitment Team, 2007-2010

OTHER WORK EXPERIENCE: INTERNSHIPS AND OTHER FIELD EXPERIENCE (INDUSTRIAL ENGINEERING)

- Arcelik A.S. (Turkey's Largest Washing Machines Factory), Cayirova, Turkey (1991)
- Alcatel Teletas (Telecommunications Infrastructure and Equipment), Istanbul, Turkey (1992)
- Ustunkarli Marangoz Makinaları Imalat Sanayii (Carpentry Machinery), Izmir, Turkey (1993)
- Makine Takim Endustrisi (Machine Tools Manufacturing), Cayirova, Turkey (1993)
- Ford Otosan Pazarlama (Auto Marketing/Distribution), Sariyer, Turkey (1993)
- Bilge Celik (Steel Pottery Manufacturing), Topkapi, Turkey (1994)

APPENDIX A: Supervised Master's theses and Graduation Projects at ITU

Economics of Telecommunications Industry

Master's Theses (ITU Social Sciences Institute)

- Private Value Auctions with Budget Constraints, O. Ayaz, 2015

Graduation Projects

- A Willingness to Pay Estimation in the Absence of Net Neutrality, Z. Bingol, 2017

Health Economics; Economics of Pharmaceutical Industry; Pharmacoeconomics

Master's Theses (ITU Social Sciences Institute)

- The Economic Relation Between Formal and Informal Care in Europe (in Turkish), H. Camas, 2012

Graduation Projects

- Estimation of Market Demand for some Pharmaceutical Products in Critical Therapeutic Categories, D. Kilinc, 2017
- Analysis of the export capacity of Turkish pharmaceutical sector and determination of policies towards increasing exports (partial funding by Foreign Economic Relations Board – DEİK, in Turkish) (Y. Altinoluk, A. Gurel), 2011
- Reimbursement in health services (in Turkish) (D. Engin), 2011
- Access to care for immigrants in the United States (G. Baykal) (joint program in Economics with SUNY), 2011
- The analysis of unemployment-mental health relationship in the United States (Z. Simsek) (joint program in Economics with SUNY), 2011
- Age effects on health expenditure (B. Ugurlu) (joint program in Economics with SUNY), 2011
- Optimal pharmaceutical pricing (in Turkish) (with O. Kayalıca) (M. Sahin), 2010

Energy Economics

Master's Theses (ITU Social Sciences Institute or Energy Institute)

- Short-term Electricity Price Forecasting in a Deregulated Electricity Market with a Dominant Firm using Game Theory and Supply Function Bidding Strategies, B. Karaman, *Energy Institute*, 2016
- An Econometric Model of Future Prices and Storage Relationship in the Natural Gas Market, T. Yakan, 2012
- Generation Costs and Market Power in the Turkish Electricity Market, G. Can, 2012

Graduation Projects

- An Economic Analysis in the Sustainable Energy Sector (in Turkish) (S. Kartal, S. Guvendik), 2012
- A Game Theoretic Model of Competition in an Energy Market (Natural Gas) (A. Albayraktaroglu, A. Kabas), 2011
- Risks and opportunities that the anticipated deepening in Turkish electricity markets will bring (in Turkish) (partial funding: Foreign Economic Relations Board (DEİK)) (S. Obuz, G. Yavas), 2011

Economics of Airline Industry

- An Analysis of Potential Business Strategies in Response to Low-Cost Carrier Threat (B. Bayramoglu), 2015 (*Practicum*)

APPENDIX B: Supervised Master of Public Policy Theses at Georgetown University

- Mr. Holland's Failure: How Ethnic Discrimination by Teachers Affects Future Student Success, M. Anzalone, 2010
- The IMF and the Catalytic Effect: Do IMF Agreements Improve Access to International Financial Markets?, M. Arabaci, 2010
- The Effect of Reservations on Caste Persistence in India, Michael Barker, 2010
- Determining High-Risk Candidates for Demand-Side Counter-Methamphetamine Policy Measures, B. Sprague, 2010
- The Shifting Determinants of Defense Spending Preferences between 1980 and 2008, N. Veasey, 2010
- The Effect of Banking Crises on Openness to Trade, M. Aleksic, 2009.
- Quantifying Moral Hazard in Health Insurance across Medical Services for the Near-Elderly, A. Carlin, 2009.
- Regulation and Multi-Factor Productivity Growth: Non-Manufacturing Industry Evidence from OECD Countries, A. Hong, 2009.
- Effects of Tax Policy on Economic Growth in OECD Countries, I. Ifrim, 2009.
- Price Response in the Domestic Airline Industry to Entry by a Low-Cost Carrier: An Econometric Examination of the JetBlue Airways Experience, E. Choe (joint degree with Law), 2008.
- The Relationship Between Housing Market Wealth and Savings, A. Darmenov, 2008
- Unlocking Development: An Analysis of the Government's Role in Access to Financing for Firms in Emerging Economies, R. Doyle (joint degree with MBA), 2008.
- Career Patterns of Science and Engineering Students in the Era of Doctoral Entrepreneurial Universities, Y. Huang, 2008.
- Demand-Driven Solutions To Illegal Electricity Connections- A Preliminary Evaluation of the 'Conviver' Program in the Urban Favelas of Belo Horizonte, Brazil, L. Mimmi, 2008.
- Remittance Determinants among Ghanaians and Nigerians in the United States, United Kingdom, and Germany, A. Tompkins (joint degree with Law), 2008.

- Government Subsidies for Technology Development Projects and their Impact at Company Level: The Chilean Experience, J. Arellano, 2007.
- Supreme Court Decision-Making: An Analysis of the Court's Criminal Docket and the Role of Ideology, B. Baak (joint degree with Law), 2007.
- Explore, Compare and Contrast the Determinants of Venture Capital Investments in Different Sectors of the American Economy, S. Khalid, 2007.
- Are Social Enterprises More Efficient Than Traditional Nonprofits? M. Magro, 2007.
- Global Antidumping Use: Retaliation or Policy Learning? J. Pau, 2007.
- Broadband and Work Habits, J. Sparandara, 2007.
- The TRIPS Agreement and Its Effects on the R&D Spending of U.S.-Owned Multinational Companies in Developing Countries, D. Akers, 2006.
- Managing Urban Sprawl: Does Growth Management Reduce the White/Black Income Gap? M. Bosson, 2006.
- Bellwether Health Effects of Transitory Economic Fluctuations, L. Dippold, 2006.
- The Effect of Union Density on Multi-Factor Productivity Growth, K. Duval (joint degree with MBA), 2006.
- Inequality among Neighbors: Understanding Foreign Direct Investment in India as a Function of Regional Determinism within India, R. Gupta, 2006.
- Factors Related to Passenger and Crew Survivability in Aircraft Accidents in the United States, K. Toyama, 2006.
- Democracy and Education: A Post-Soviet Case Study, M. Dalton, 2005. (*Practicum*)
- Section 201 Tariffs on Steel: The Impact on Domestic Prices, M. Mathog, 2005. (*Practicum*)
- The Effect of Geographic Conditions on U.S. Economic Development, K. Shah, 2005. (*Practicum*)
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