

## AYŞE MUMCU

Curriculum Vitae

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Boğaziçi University  
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### DEGREES

Ph.D., Economics, University of Pennsylvania, USA, 1997.

Thesis: "Organizational Forms and Incentives"

Committee: George J. Mailath (Advisor), Stephen Morris, Andrew Postlewaite.

M.A., Economics, University of Pennsylvania, USA, 1997.

B.A., Economics, Boğaziçi University, Turkey, 1989.

### CURRENT APPOINTMENT

Professor, Department of Economics, Boğaziçi University, December 2011- present.

Research Associate, Center for Economic Design, Boğaziçi University, 2004-present.

### VISITING APPOINTMENTS

Visiting Scholar, Centre d'Economie de la Sorbonne, Université Paris 1, April-May 2011.

Visiting Professor, Masters Program in Economics, University of Bologna, April 2011.

Visiting Professor, Doctoral Program in Economics, University of Athens, March 2011.

Visiting Scholar, Department of Economics, University of Pennsylvania, 2006-2007.

Visiting Scholar, Department of Economics, Erasmus University, Rotterdam, Spring 2003.

### PAST APPOINTMENTS

Associate Professor, Department of Economics, Boğaziçi University, 2008-2011.

Assistant Professor, Department of Economics, Boğaziçi University, 1999-2008.

Research Associate, Center for Economics and Econometrics, Boğaziçi University, 1999-2010.

Adjunct Professor, Department of Economics, Istanbul Bilgi University, Fall 2000.

Instructor, Department of Economics, Bilkent University, 1997-1999.

Teaching Assistant, Wharton School, University of Pennsylvania, 1994-1997.

Research Fellow, Wharton Emerging Economies Program, University of Pennsylvania, 1993-1994.

Instructor, Department of Economics, University of Pennsylvania, Summer 1992.

Teaching Assistant, Department of Economics, University of Pennsylvania, 1990-1994.

Research Assistant, Department of Economics, Boğaziçi University, Summer 1988.

### FIELDS OF INTEREST

Matching Theory, Game Theory, Industrial Organization, Bargaining, Environmental Economics.

### PUBLICATIONS

#### *Articles In Journals*

- "Student Placement Problem: An Application to the ERASMUS Exchange Program," with E. Akkaya, *Boğaziçi Journal Review of Social, Administrative and Economic Studies*, 2012, 26(2), 63-82.
- "Stable One-to-One Matchings with Externalities," with I. Saglam, *Mathematical Social Sciences*, 2010, 60(2), 154-159.

- "Strategic Withholding of Firm-Specific Skills in Wage Bargaining." *Scottish Journal of Political Economy*, 2010, 57(2), pp. 187-211.
- "Games of Capacity Allocation in Many-to-One Matching with an Aftermarket" with I. Saglam, *Social Choice and Welfare*, 2009, 33(3), pp. 383-403.
- "Rationalizability of One-to-One Matchings with Externalities," with I. Saglam, *Economics Bulletin*, 2008, 4(32), pp 1-8.
- "Marriage Formation/Dissolution and Marital Distribution in a Two-Period Economic Model of Matching with Cooperative Bargaining," with I. Saglam, *Journal of Artificial Societies and Social Simulations*, 2008, 11(4) 3.
- "The Welfare Effects of Government's Preferences over Spending and its Financing," with C. E. Alper, O. P. Ardic and I. Saglam, *Economic Modelling*, 2008, 25, pp 1-12.
- "The Core of a Housing Market with Externalities" with I. Saglam, *Economics Bulletin*, 2007, 3 (55), pp 1-5.
- "Interaction between Price, Quality, and Country of Origin when Estimating Automobile Demand: The Case of Turkey," with C. E. Alper, *Applied Economics*, 2007, 39(14), pp. 1789 - 1796.
- "The Likely Impact of Mergers and Acquisitions on the Turkish Banking Sector: A Stylized Model and Simulations," with E. Ü. Zenginobuz, and M. A. Orhan, in: R. Erzan (ed.) *Turkish Banking at Cross Roads, Special Issue, Boğaziçi Journal Review of Social, Administrative and Economic Studies*, V.15, N.1, 2001.

#### **Articles In Edited Volumes**

- "Piyasanın İdaresi, Neoliberalizm ve Bağımsız Düzenleyici Kurumların Anatomisi (Ümit Sönmez)" with F. Adaman, Book Review, *Toplum ve Bilim*, 2012.
- "An Analysis of Mergers and Acquisitions in the Turkish Banking Sector," with E. Ü. Zenginobuz, in: S. Neaime and N. A. Colton (eds.), *Money and Finance in the Middle East: Missed Opportunities or Future Prospects? - Research in the Middle East Economics*, V.6, Elsevier, 2005.
- "Competition Policy in Turkey," with E. Ü. Zenginobuz, in: *Proceedings of the Eight Annual Conference of The Economic Research Forum (ERF)*, Conference Paper, Number 082002018, Cairo, January, 2002 .
- "Black Sea Economic Cooperation," with N. B. Gültekin, in: V. Mastny and C. Nation (eds.), *Turkey Between East and West: New Challenges for Rising Regional Power*, Colorado: Westview Press, 1996.

#### **Working Papers And Manuscripts**

- "Sectoral Impact Assessment of the Battery Directive for 2010-2030 in Turkey," 2012, with F. Adaman and B. Erus.
- "Erasmus Student Exchange Programs: How to Place Students?" with E. Akkaya, *Boğaziçi University Research Papers*, ISS/EC 2011-02, Istanbul.
- "Collective Sanctions as a Remedy to Household Waste Problem" with F. Adaman, *Boğaziçi University Research Papers*, ISS/EC 2011-03, Istanbul.
- "Perceptions on Governance Effectiveness and Informality: A Self-fulfilling Equilibrium" with F. Adaman. *Boğaziçi University Research Papers*, ISS/EC 2010-05, Istanbul.
- "Cournot Competition in a Mixed Electricity Market with Transmissions Constraints" with S Oğur and E.Ü. Zenginobuz.
- "Sectoral Impact Assessment of the Directive of Volatile Organic Compounds for 2011-2030 in Turkey," 2011, with F. Adaman and B. Erus.
- "Sectoral Impact Assessment of the Directive of End-of Life Vehicles for 2010-2030 in Turkey," 2011,

with F. Adaman and B. Erus.

- "Employment Relationship versus Independent Contracting: On the Organizational Choice and Incentives."
- "Imperfect Competition in a Mixed Electricity Market with Market-Based Congestion Management," with S. Oğur and E. Ü. Zenginobuz, *Boğaziçi University Research Papers* ISS EC 07-24, 2007, Istanbul.
- "Imperfect Competition between Private and Public Generators on Electric Power Networks," with S. Oğur and E. Ü. Zenginobuz.
- "College Admissions Game: Early Action or Early Decision?" with I. Saglam, *MPRA Paper 3592*, University Library of Munich, Germany.
- "College Admissions under Early Decision," with I. Saglam, *MPRA Paper 1906*, University Library of Munich, Germany.
- "One-to-One Matching with Interdependent Preferences," with I. Saglam, *MPRA Paper 1908*, University Library of Munich, Germany.
- "Production Complementarity and Investment Incentives: Does Asset Ownership Matter?" *Boğaziçi University Research Papers*, ISS EC 06-05, 2006, Istanbul.
- "Takeover Threat, Managerial Incentives, and Term Structure of Investment" *Bogazici University Research Papers*, ISS EC 05-02, 2005, Istanbul.
- "Türkiye'de Otomobil Talebinin Tahmini ve Öngörüsü (Estimating and Forecasting the Demand for Automobile in Turkey)," with C. E. Alper, *Boğaziçi University Research Papers* ISS EC 05-01, 2005, Istanbul.
- "Competition between Regulated and Unregulated Generators on Electric Power Networks," with S. Oğur and E. Ü. Zenginobuz, *Boğaziçi University Research Papers*, ISS EC 01-04, 2001, Istanbul.

#### **AWARDS AND FELLOWSHIP**

Boğaziçi University Foundation, Grant to Support Research Activities Abroad, 2011.

ERASMUS Faculty Mobility Grant, 2011.

Boğaziçi University Foundation, Encouragement Award for Academic Activity, 2001, 2005-2012.

TUBITAK, The Scientific and Technological Research Council of Turkey, Travel Grant, 2008.

Wharton Emerging Economies Program, Research Fellowship, Fall, 1993.

University of Pennsylvania, Department of Economics, Tuition Fellowship, 1990-1995.

University of Pennsylvania Fellowship, 1989-1990.

Istanbul Chamber of Commerce Fellowship, 1986-1989.

#### **RESEARCH GRANTS**

Boğaziçi University Research Fund, Research Grant 6036, 2011, "The Impact of Unionization on Differential Wages Paid to Formal and Informal Labour in the Same Production Line".

Boğaziçi University Research Fund, Research Grant 6035, 2011, "Timing of Technology Adoption in Differentiated Product Markets," Principal investigator.

Consultant to Regional Environmental Center and Ministry of Environment and Forestry, 2010, "Sectoral Impact Assessment".

Boğaziçi University Research Fund, Research Grant 5172, 2010, "The Impact of Extended Producer's Responsibility to the Market Structure and Informality in Battery Industry in Turkey" Co-investigator.

Boğaziçi University Research Fund, Research Grant 09C104P, 2009, "Economic Impact of Household Behavior in Solid Waste Management" Co-investigator.

Boğaziçi University Research Fund, Research Grant 07HC101, 2007, "Applications in Matching Theory: The Competitiveness and Efficiency in Higher Education Markets" Principal investigator.

Boğaziçi University Research Fund, Research Grant 05C103, 2005, "Intergenerational Distribution of

Burden and Benefit of Government Debt”.

Boğaziçi University Research Fund, Research Grant 04C102, 2004, “Taxation in Differentiated Products Market: Estimating the Price Elasticity of Demand for Automobiles in Turkey”.

Boğaziçi University Research Fund, Research Grant 01C102, 2001, “Theoretical Model of the Banking Industry in Turkey with Simulation Applications” Principal investigator.

ERF (Economic Research Forum) Award, Research Grant, 2001, “Competition Policy in Turkey”, (with E. Ü. Zenginobuz).

Türkiye İthalatçı Otomobilciler Derneği, 2000, “Türkiye’de Otomobil Talebinin Tahmini” (report prepared with C. E. Alper).

Boğaziçi University Research Fund, Research Grant 00C104, 2000, “Competition in an Imperfectly Competitive Privatized Electricity Industry and Restructuring of Turkish Electricity Markets”.

Boğaziçi University Research Fund, Research Grant 00C103, 2000, “The Restructuring of the Turkish Banking Industry and its Effect on Competitiveness”. Principal investigator.

Johns Hopkins University, Advanced International Studies, Bologna Center, publication honorarium, 1994, (with N. B. Gültekin).

## **TEACHING**

*Graduate Courses Taught:* Microeconomic Theory, Matching Theory, Game Theory, Contract Theory, Industrial Organization, Theory of Finance (Executive MA), Microeconomics (Executive MA).

*Undergraduate Courses Taught:* Game Theory, Microeconomic Theory (introductory, intermediate, advanced), Industrial Organization, Public Economics, Economics of Organizations, Mathematics for Economists, Intermediate Macroeconomics.

## **SPECIAL LECTURES**

“Matching Theory,” (short course) Master Program in Economics, University of Bologna, Italy, April, 2011.

“Bargaining Games and Repeated Games” (short course) Doctoral Program in Economics, University of Athens, Greece, March, 2011.

## **OTHER PROFESSIONAL ACTIVITIES**

### **Ph.D. Dissertation Supervision**

Özkal-Sanver, İ. “Essays in Matching Design,” Boğaziçi University, 2001. (Thesis Committee Member)

### **M.A. Thesis Supervision**

#### **As Thesis Advisor**

Yıldız, S. “Welfare Implications of Competition in a Vertical Market Structure: A Case of Accumulator Industry,” Department of Economics, Bogaziçi University, 2011.

Akkaya, E. “Erasmus Exchange Program: A Placement Problem,” Department of Economics, Bogaziçi University, 2010.

Aygün, O. “Secondary School Placement in Turkey,” Department of Economics, Bogaziçi University, 2009.

Dur, U. M. “Unraveling in Two-Sided Matching Markets,” Department of Economics, Bogaziçi University, 2009.

#### **As Thesis Committee Member**

Odabaş, M. “A Theoretical And Empirical Analysis Of Shopping Mall Formation In Istanbul, Turkey,” Department of Economics, Boğaziçi University, 2012.

Seçkin, B. “Effects of a Quality Differentiation among Downstream Firms due to an Upstream Quality Investment,” Department of Economics, Istanbul Technical University, 2010.

- Çetinkaya, A. "ACT-R Based Memory Models of Iterated Prisoner's Dilemma," Cognitive Science, Bogaziçi University, 2009.
- Aytaşkın, Ş. "Strategic Trade and Environmental Policies under Incomplete Information," Department of Economics, Istanbul Technical University, 2006.
- Filiz, E. "A Structure of Joint Irreducible Sets for Classically Rationalizable Choice Operators," Department of Economics, Boğaziçi University, 2001.
- Ülkü, L. "Individual Transferable Quotas in the Black Sea Anchovy Industry," Department of Economics, Boğaziçi University, 2001.
- Öztürk, B. "Genetic Algorithm Learning in Modeling Learning Subgame Perfect Equilibrium Strategies," Department of Economics, Boğaziçi University, 2000.

### **Editorial and Referee Activity**

Member, Editorial Board, *Bogazici Journal: Review of Social, Economic and Administrative Studies*, 2007-present

Refereed for: *Anadolu University Journal of Science and Technology*, *BDDK Journal of Banking and Financial Markets*, *Economics Bulletin*, *Economic Modelling*, *Journal of Institutional and Theoretical Economics*, *Labour Economics*, *METU Studies in Development*, *Review of Economic Design*.

### **Participation to and Presentation at Academic Conferences**

- 2012: Shadow Economies Workshop, İstanbul, Turkey; World Congress of the Game Theory Society, İstanbul, Turkey; Ecological Economics and Social Development: XXI Century Challenges For An Equitable And Sustainable System, Alicante, Spain.
- 2011: Association of Southern European Economic Theorists (ASSET) Annual Meeting, Evora, Portugal.
- 2010: International Conference on Public Economic Theory PET 2010, İstanbul, Turkey; Second Brazilian Workshop of the Game Theory Society, São Paulo, Brazil.
- 2009: Association of Southern European Economic Theorists (ASSET) Annual Meeting, İstanbul, Turkey.
- 2008: Association of Southern European Economic Theorists (ASSET) Annual Meeting, Florence, Italy; World Congress of the Game Theory Society, Evanston, Illinois, USA.
- 2007: International Conference of Game Theory, SUNY at Stony Brook, NY, USA; North American Summer Meeting of Econometric Society, Duke University, USA.
- 2004: Association of Southern European Economic Theorists (ASSET) Annual Meeting, Barcelona, Spain.
- 2002: Center for Economics and Econometrics (CEE) Conference on Foreign Direct Investment, İstanbul, Turkey.
- 2001: European Network on Industrial Policy (EUNIP) 5th Annual Conference, Vienna, Austria; Association of Southern European Economic Theorists (ASSET) Annual Meeting, Crete, Greece; European Association for Research in Industrial Economics (EARIE) 28th Annual Conference, Dublin, Ireland; Center for Economics and Econometrics (CEE) Conference on Turkish Banking at Cross Roads, İstanbul, Turkey.
- 2000: Association of Southern European Economic Theorists (ASSET) Annual Meeting, Lisbon, Portugal; 4th ERC/METU Conference in Economics, Ankara, Turkey; Econometric Society World Congress 2000, Seattle, USA.
- 1999: Association of Southern European Economic Theorists (ASSET) Annual Meeting, Tel Aviv, Israel; Society for the Advancement of Economic Theory Biannual Meeting, Rodos, Greece; Bosphorus Workshop, Marmaris, Turkey.
- 1998: North American Summer Meeting of the Econometric Society, Montreal, Canada.
- 1995: Association of Southern European Economic Theorists (ASSET) Annual Meeting, İstanbul, Turkey.

### **Invited Talks**

- 2011: Department of Economics, TOBB, Ankara; Department of Economics, University of Bologna, Italy; Doctoral Program in Economics, University of Athens, Greece.
- 2010: Department of Economics, Koç University, Istanbul; Department of Economics, Middle East Technical University, Ankara; Department of Economics, Sabancı University, Istanbul, Doctoral Program in Economics, University of Athens, Greece.
- 2007: Department of Economics Seminar Series, Koç University, Istanbul; Center for Economic Design Seminars in Economic Theory, Boğaziçi University, Istanbul,
- 2003: Tinbergen Institute, Rotterdam, Netherlands,
- 2002: Department of Economics, University of Bologna, Italy, Mathematics Club, Boğaziçi University, Istanbul.
- 1999: 3rd ERC/METU Conference in Economics, Session organized by Competition Authority, Ankara, Turkey.
- 2000: Department of Economics, Bilkent University, Ankara, Turkey.
- 1994: Conference on "Turkey and Europe", Bologna, Italy.

### **Academic Memberships**

American Economic Association, Econometric Society, Game Theory Society, Society for Economic Design, Society for Social Choice and Welfare.

### **Administrative Assignments**

- Vice Rector, Boğaziçi University, August, 2012- present.
- Member, University Executive Board, Boğaziçi University, March, 2012-August, 2012.
- Vice Chair, Department of Economics, Boğaziçi University, September, 2011- August, 2012.
- Graduate Advisor, Department of Economics, 2004-2006, September 2011- August, 2012.
- Member, Faculty Executive Board, Faculty of Economics and Administrative Sciences, Boğaziçi University, January 2002-June 2004, April 2008-2011.
- Member, Graduate Program Committee, Department of Economics, Boğaziçi University, 2004-present.
- Member, Local Organizing Committee, APET 2010, Istanbul, Turkey, June 25-27, 2010.
- Co-Organizer, Talk Series in Game Theory and Social Sciences, Department of Economics, Boğaziçi University, 2009-2010.
- Member, Local Organizing Committee and Program Committee, ASSET 2009, Istanbul, Turkey, October 30-31, 2009.
- Member, Junior Faculty Recruitment Committee, Department of Economics, Boğaziçi University, 2004-2005, 2008-2010.
- Organizer, Economic Theory Seminars, Department of Economics, Boğaziçi University, 2004-2005, 2008-2009.
- Master of the Ceremony, Faculty of Economics and Administrative Sciences Graduation 2002, 2008.
- Member, Local Organizing Committee, SED 2000, Istanbul, Turkey, June 22-27, 2000.
- Faculty Representative, Student Fellowship Commission, Boğaziçi University, 1999-2001.
- Co-Organizer, Economics Department Seminars, Bilkent University, 1998-1999.