



Assoc.Prof. Erkan Erdogdu

Ph.D., University of Cambridge
Senior Energy Market Specialist, EMRA

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Personal Information

- Nationality : Republic of Turkey
- Date of Birth : 17.09.1979
- Place of Birth : Izmir/Turkey
- Marital Status : Married with one son

Education

Inter-University Council (Turkey)

The title of Associate Professor

March 2016

- Area of specialization: Micro Economics

University of Cambridge (UK)

Doctoral (Ph.D.) Degree

2009 - 2013

- Cambridge Judge Business School, Business Economics
- Thesis: Essays on Electricity Market Reforms: A Cross-Country Applied Approach
- Three-paper format Ph.D. thesis (Paper 1 & Paper 2 & Paper 3)
- Supervisors: Prof. Michael Pollitt & Prof. David Newbery

University of Surrey (UK)

M.Sc. Degree with Distinction

2004 - 2005

- Department of Economics, Energy Economics & Policy Program
- M.Sc. Dissertation: Energy Market Reforms in Turkey: An economic analysis (Paper 1 & Paper 2)
- Overall average mark in UK grading system: 72 [GPA: 4 / 4]

Middle East Technical University (Turkey)

B.Sc. Degree (with High Honor)

1997 - 2002

- Department of International Relations
- GPA: 3.85 / 4

Minor Diploma

1999 - 2002

- Department of Political Science and Public Administration
- GPA: 3.64 / 4

Work Experience

Senior Energy Market Specialist

Energy Market Regulatory Authority (EMRA, Turkey)

2003 - Present

Publications

Research Papers (in SSCI or SCI journals)

1. Erdogdu, Erkan (2016). **Asymmetric volatility in European day-ahead power markets: A comparative microeconomic analysis.** *Energy Economics*, 56(4), 398–409. DOI: <http://dx.doi.org/10.1016/j.eneco.2016.04.002>
2. Erdogdu, Erkan (2014). **The political economy of electricity market liberalization: a cross-country approach.** *The Energy Journal*, 35(3), 91-128. DOI: <http://dx.doi.org/10.5547/01956574.35.3.5> (*Citations:1*)
3. Erdogdu, Erkan (2013). **A cross-country analysis of electricity market reforms: potential contribution of New Institutional Economics.** *Energy Economics*, 39(5), 239-251. DOI: <http://dx.doi.org/10.1016/j.eneco.2013.05.012> (*Citations:9*)
4. Erdogdu, Erkan (2011). **The impact of power market reforms on electricity price-cost margins and cross-subsidy levels: A cross country panel data analysis.** *Energy Policy*, 39(3), 1080-1092. DOI: <http://dx.doi.org/10.1016/j.enpol.2010.11.023> (*Citations:21*)
5. Erdogdu, Erkan (2011). **What happened to efficiency in electricity industries after reforms?.** *Energy Policy*, 39(10), 6551-6560. DOI: <http://dx.doi.org/10.1016/j.enpol.2011.07.059> (*Citations:19*)
6. Erdogdu, Erkan (2014). **Investment, security of supply and sustainability in the aftermath of three decades of power sector reform.** *Renewable and Sustainable Energy Reviews*, 31(3), 1-8. DOI: <http://dx.doi.org/10.1016/j.rser.2013.11.014> (*Citations:3*)
7. Erdogdu, Erkan (2007). **Electricity demand analysis using cointegration and ARIMA modelling: A case study of Turkey.** *Energy Policy*, 35(2), 1129-1146. DOI: <http://dx.doi.org/10.1016/j.enpol.2006.02.013> (*Citations:127*)
8. Erdogdu, Erkan (2010). **Natural gas demand in Turkey.** *Applied Energy*, 87(1), 211-219. DOI: <http://dx.doi.org/10.1016/j.apenergy.2009.07.006> (*Citations:58*)
9. Erdogdu, Erkan (2013). **Implications of liberalization policies on government support to R&D: Lessons from electricity markets.** *Renewable and Sustainable Energy Reviews*, 17(1), 110–118. DOI: <http://dx.doi.org/10.1016/j.rser.2012.09.030> (*Citations:4*)

Policy Papers (in SSCI or SCI journals)

1. Erdogdu, Erkan (2014). **Motor fuel prices in Turkey.** *Energy Policy*, 69(6), 143–153. DOI: <http://dx.doi.org/10.1016/j.enpol.2013.10.075> (*Citations:4*)
2. Erdogdu, Erkan (2007). **Regulatory reform in Turkish energy industry: An analysis.** *Energy Policy*, 35(2), 984-993. DOI: <http://dx.doi.org/10.1016/j.enpol.2006.02.011> (*Citations:31*)
3. Erdogdu, Erkan (2007). **Nuclear power in open energy markets: A case study of Turkey.** *Energy Policy*, 35(5), 3061-3073. DOI: <http://dx.doi.org/10.1016/j.enpol.2006.11.008> (*Citations:24*)
4. Erdogdu, Erkan (2009). **Some thoughts on the Turkish electricity distribution industry.** *Renewable and Sustainable Energy Reviews*, 13(6-7), 1485-1494. DOI: <http://dx.doi.org/10.1016/j.rser.2008.09.005> (*Citations:1*)
5. Erdogdu, Erkan (2010). **A paper on the unsettled question of Turkish electricity market: Balancing and settlement system**

- (Part I)**. Applied Energy, 87(1), 251-258. DOI: <http://dx.doi.org/10.1016/j.apenergy.2009.06.017> (*Citations:8*)
6. Erdogdu, Erkan (2010). **A review of Turkish natural gas distribution market**. Renewable and Sustainable Energy Reviews, 14(2), 806-813. DOI: <http://dx.doi.org/10.1016/j.rser.2009.10.023> (*Citations:7*)
 7. Erdogdu, Erkan (2010). **Bypassing Russia: Nabucco project and its implications for the European gas security**. Renewable and Sustainable Energy Reviews, 14(9), 2936-2945. DOI: <http://dx.doi.org/10.1016/j.rser.2010.07.028> (*Citations:9*)
 8. Erdogdu, Erkan (2010). **Turkish support to Kyoto Protocol: A reality or just an illusion**. Renewable and Sustainable Energy Reviews, 14(3), 1111-1117. DOI: <http://dx.doi.org/10.1016/j.rser.2009.10.020> (*Citations:11*)
 9. Erdogdu, Erkan (2008). **An exposé of bioenergy and its potential and utilization in Turkey**. Energy Policy, 36(6), 2182-2190. DOI: <http://dx.doi.org/10.1016/j.enpol.2008.02.041> (*Citations:21*)
 10. Erdogdu, Erkan (2011). **An analysis of Turkish hydropower policy**. Renewable and Sustainable Energy Reviews, 15(1), 689-696. DOI: <http://dx.doi.org/10.1016/j.rser.2010.09.019> (*Citations:27*)
 11. Erdogdu, Erkan (2009). **A snapshot of geothermal energy potential and utilization in Turkey**. Renewable and Sustainable Energy Reviews, 13(9), 2535-2543. DOI: <http://dx.doi.org/10.1016/j.rser.2009.06.020> (*Citations:25*)
 12. Erdogdu, Erkan (2009). **On the wind energy in Turkey**. Renewable and Sustainable Energy Reviews, 13(6-7), 1361-1371. DOI: <http://dx.doi.org/10.1016/j.rser.2008.09.003> (*Citations:37*)

Conferences Attended as an Invited Speaker

1. Erdogdu, Erkan (2011). **The political economy of electricity market liberalization: a cross-country approach**. 30th USAEE/IAEE North American Conference, 9-12 October 2011, Capital Hilton Hotel, Washington, DC., USA.
2. Erdogdu, Erkan (2014). **Turkish Energy Leadership, Europe and the Future of the Global Energy Order**. Presentation Title: "How does Turkey's position in energy trade advance energy leadership?" Expert Roundtable, Istanbul Policy Center (IPC), Sabancı University, 19 September 2014, Minerva Han, Karaköy, İstanbul, Turkey.
3. Erdogdu, Erkan (2009). **Balancing and Settlement System in Turkish Electricity Market (Part II)** (*Turkish Paper*). Business, Management and Economics Conference, The Social Sciences Research Society, September 24, 2009; Session 19; Room 102; 18.00–19.40. Dokuz Eylül University, Urkmez/Payamli, Izmir, Turkey.
4. Erdogdu, E., Baysan, Y., Sen, S. (2008). **Turkish Natural Gas Industry: Expectations and the progress so far** (*Turkish Paper*). Business, Management and Economics Conference, The Social Sciences Research Society, September 12, 2008; Session 30; Room 101; 16.00–17.40. Dokuz Eylül University, Urkmez/Payamli, Izmir, Turkey.

Other Academic Studies

1. Erdoğan, Erkan (2014). **Turkey's energy strategy and its role in the EU's southern gas corridor**. Istituto Affari Internazionali (IAI) Working Papers (*a refereed international academic paper series*), No.1401, 17 February 2014, ISBN 978-88-98650-06-4. URL: <http://www.iai.it/en/pubblicazioni/turkeys-energy-strategy-and-its-role-eus-southern-gas-corridor>
2. Erdoğan, Erkan (2011). **The Regulation of Natural Gas Industry in Turkey**. In T.Cetin & F.Oguz (Eds.), *The Political Economy of Regulation in Turkey*. Springer, New York, USA, pp.145-176. DOI: http://dx.doi.org/10.1007/978-1-4419-7750-2_7 (*Citations:3*)
3. Erdoğan, Erkan (2013). **The political economy of the increase in Turkish taxes on motor vehicle fuels**. Prepared for The Organisation for Economic Co-operation and Development (OECD). Paris, France.
4. Erdoğan, Erkan (2013). **The economic implications of new nuclear power plants in Turkey**. Prepared for The International Atomic Energy Agency (IAEA). Vienna, Austria.
5. Erdoğan, Erkan (2010). **Wind Power Market in Turkey**. Turkish International Renewable Energy Congress (TIREC 2010). Green Power Conferences, 28 September – 1 October 2010, Grand Cevahir Hotel & Congress Center, Sisli/Istanbul Turkey. (*A report prepared to be distributed to participants of the Congress*)
6. Erdoğan, Erkan (2013). **Essays on Electricity Market Reforms: A Cross-Country Applied Approach**. Ph.D. Thesis, Cambridge Judge Business School, University of Cambridge, Trumpington Street, CB2 1AG, Cambridge, UK, July 2013. URL: <https://www.repository.cam.ac.uk/handle/1810/244713>
7. Erdoğan, Erkan (2005). **Energy Market Reforms in Turkey: An economic analysis**. M.Sc. Dissertation, Department of Economics, University of Surrey, Guildford, GU2 7XH, Surrey, UK, September 2005.
8. Erdoğan, Erkan (2015) [with Funda Erdoğan]. **The impact of access to ICT, student background and school/home environment on academic success of students in Turkey: An international comparative analysis**. *Computers & Education*, 82(2), 26-49. DOI: <http://dx.doi.org/10.1016/j.compedu.2014.10.023> (*Citations:6*)
9. Erdoğan, Erkan (2002). **Turkey and Europe: Undivided but not united**. *Middle East Review of International Affairs*, 6(2), 40-51. URL: <http://www.rubincenter.org/2002/06/erdogan-2002-06-04>

Awards

Cambridge International Scholarship

- Provided by University of Cambridge to finance Ph.D. program
- Total Value: £80.741

Chevening Scholarship

- Provided by British Government to finance M.Sc. program
- Total Value: £16.782

The Award by E-Control

- The doctoral (Ph.D.) thesis was granted a research award by the Austrian energy regulator, *E-Control*, in recognition for its contribution to research in the area of electricity and natural gas market liberalization.
- Total Value: €1.000

Best Paper Award, 30th USAEE/IAEE North American Conference

- The paper submitted for the 30th USAEE/IAEE North American Conference was granted one of the top 4 best paper awards (out of 160 papers)
- Total Value: \$750

The Awards by TUBITAK (The Scientific and Technological Research Council of Turkey)

- Granted for the publication of 21 articles in the international academic journals
- Total Value: \$17.500

European Union (EU) study visit award (IND/STUD No. 33062 & 33972)

- Subject: Nuclear Energy in Open Energy Markets & The Role of Regulatory Authorities in Dispatching and Balancing
- Bucharest/Romania, 03-07 August 2009
- A study visit to Cernavodă Nuclear Power Plant
- Organized and financed by the Technical Assistance Information Exchange (TAIEX) Instrument of the European Commission in co-operation with Romanian Energy Regulatory Authority (ANRE)

European Union (EU) study visit award (IND/STUD No.23661)

- Subject: The Privatization of Electricity Distribution Regions, Market Regulation and Consumer Rights Protection in Electricity Markets
- Madrid/Spain, 19–21 March 2007
- Organized and financed by the Technical Assistance Information Exchange (TAIEX) Instrument of the European Commission in co-operation with The National Energy Commission (NEC) of Spain

Indian Technical and Economic Cooperation (ITEC) Program Scholarship

- Provided by Indian Government to finance an international training program in India titled “Power Distribution Project Financing & Accounting Systems”
- Hyderabad/India, 6 February–31 March 2006

Skills and Abilities

Computer

- Stata 15, EViews 9.5, IBM SPSS Statistics 24
- MS Office, Fireworks, Photoshop

Language: Advanced English

- TOEFL iBT: 108 (out of 120), 25 October 2008
- YDS: 95 (out of 100), 7 April 2013 (Foreign Language Examination for Public Employees in Turkey)
- Native Language: Turkish

Miscellaneous

Research Interests

- Energy markets (especially electricity and natural gas industries); energy policy; energy economics; regulation, privatization, liberalization and competition in the network industries; efficiency in electricity and natural gas utilities; Turkish energy policy; econometric analysis (demand forecast, time series and panel data analysis)

Indicators

- RePEc Turkey Ranking: 43 out of 768 Economists in Turkey as of September 2017
- Total Citations: 473 (*calculated by Scopus*)
- h-index: 11 (*calculated by Scopus, excluding self-citations*)

Reviewer for Academic Journals

- The Energy Journal (*Reviews:9*)
- Energy Economics (*Reviews:11*)
- Energy Policy (*Reviews:4*)
- Economic Modelling (*Reviews:1*)
- Review of Industrial Organization (*Reviews:1*)
- Energy (*Reviews:5*)
- Applied Energy (*Reviews:1*)
- International Journal of the Economics of Business (*Reviews:1*)
- Energy Efficiency (*Reviews:1*)
- Annals of Nuclear Energy (*Reviews:1*)
- Natural Resources Forum (*Reviews:1*)
- Journal of Cleaner Production (*Reviews:1*)
- Journal of Productivity Analysis (*Reviews:1*)
- International Journal of Energy Research (*Reviews:1*)
- International Journal of Electrical Power and Energy Systems (*Reviews:1*)

Associations

- Association of Energy Market Specialists in Turkey

Last Update: October 15, 2017