

CONTACT INFORMATION	Yıldız Teknik Üniversitesi, Davutpaşa Kampüsü İktisadi ve İdari Bilimler Fakültesi, İktisat Bölümü, G2-101 34210 Esenler, İstanbul, TÜRKİYE	E-mail: tdurmaz@yildiz.edu.tr mailbox@tuncdurmaz.com WWW: tuncdurmaz.com avesis.yildiz.edu.tr/tdurmaz
PERSONAL	Date of birth: Nov 4, 1981 Marital status: Married, two children Citizenship: Turkish	
RESEARCH INTERESTS	Economics of Climate change, Technological Change and Green Growth, Economics of Electricity, Economics of Carbon Capture, Usage, and Storage, Circular Economy, Economics of Risk and Uncertainty	
EDUCATION	Norwegian School of Economics (NHH) , Bergen, Norway Ph.D (November 2015), Supervisor: Fred Schroyen (NHH) Dissertation: Essays in Energy, Environment and Technology Defense Committee: Snorre Kverndokk (Frisch Centre), Linda Nøstbakken (NHH), Cees Withagen (VU University Amsterdam) University of Southern California (USC) , Los Angeles, USA, M.A. , Economics, May 2009 Marmara University , İstanbul, Türkiye, M.A. , Economics, Jul 2007 Dokuz Eylül University , İzmir, Türkiye, B.S. , Economics (En.), June 2003	
WORK EXPERIENCE	Yıldız Technical University (YTU) , Associate Professor , Department of Economics Nov 2020 - to date, İstanbul, Türkiye Institut National de L'Énergie Solaire , Visiting Professor , Solar Academy Graduate School Nov 22 - 26, 2021 / May 16 - 20, 2022 / Nov 21 - 25, 2022 / May 01 - 05, 2023 Le Bourget du Lac, France YTU , Assistant Professor , Department of Economics Sep 2016 - Nov 2020, İstanbul, Türkiye International Finance Corporation (IFC) - World Bank , Short-term Consultant Mar - Jun 2020, Washington, D.C., USA City University of Hong Kong , Postdoctoral Fellow , School of Energy and Environment, Aug 2015 - Aug 2016, Hong Kong SAR YTU , Research Scholar , Department of Economics Oct 2013 - Jul 2015, İstanbul, Türkiye Toulouse School of Economics , Visiting Fellow Sep 2012 - Mar 2013, Toulouse, France USC , Graduate Assistant , Department of Economics Aug 2007 - Dec 2008, Los Angeles, CA, USA YTU , Research-Teaching Assistant , Department of Economics Nov 2005 - Jul 2007, İstanbul, Türkiye Robert Bosch GmbH , Intern , Logistics Department Sep 2003 - Mar 2004, Salzgitter, Germany	
PUBLICATIONS	AI Revolution and Coordination Failure: Theory and Evidence (with Burak Ünveren and Seçkin Sunal), Journal of Macroeconomics, Vol. 78, December 2023, 103561 Feed-in tariff policy in Hong Kong: Is it efficient (with Aude Pommeret and Prudence Dato), City and Environment Interactions, Vol. 10, April 2021, 100056 Evaluating Carbon Capture and Storage in a Climate Model with Endogenous Technical Change (with Fred Schroyen), Climate Change Economics, Vol.11, 2020 Estimation of Residential Electricity Demand in Hong Kong under Electricity Charge Subsidies (with Aude Pommeret and Huseyin Tastan), Energy Economics, Vol. 88, May 2020, 104742	

Levelized Cost of Consumed Electricity (with Aude Pommeret), *Economics of Energy & Environmental Policy*, Vol.9, No.1, 2020

Smart Grids and Renewable Electricity Generation by Households (with Aude Pommeret and Prudence Dato), *Energy Economics*, Vol.86, Feb 2020, 104511

A two-sector model of economic growth with endogenous technical change and pollution abatement (with Jean-Pierre Amigues), *Environmental Modeling & Assessment*, Vol. 24 (6), pp 703-725

Intermittent renewable electricity generation with smart grids (with Prudence Dato and Aude Pommeret) in *Climate and Energy protection in the EU and China*. Springer-Verlag, 2019

Environmental Catastrophes and Deep Uncertainties Surrounding the Economics of Climate Change in Environment and Sustainability. Peter Lang, 2019

The Economics of CCS: Why have CCS technologies not had an international breakthrough?, *Renewable & Sustainable Energy Reviews*, Vol.95, pp.328-340, 2018

Are households ready to pay for solar panels and smart grids? (with Aude Pommeret), *IAEE Energy Forum*, 1st Quarter, pp. 25-28, 2018

Non-Cooperative Duopoly Games under Uncertainty of Discount Rates in Firms' Strategic Decisions Theoretical and Empirical Findings Vol. 3. Bentham Science (2018).

Optimal storage under uncertainty: investigating the implications of frugality and prudence, *Economics Bulletin*, Vol. 37, Issue 3, pp.1624-1629, 2017

Strategic Dynamic Climate Policy: The Role of CCS, *Journal of Management and Economics Research*, Vol.15, pp.212-228, 2017

WORKS IN PROGRESS

A Simple Model of Car Purchase Decisions: Comparing Vehicles with Different Fuel Types

Electricity pricing policy for optimal decentralized generation and investments (with Aude Pommeret)

The Welfare Gains for Prosumers (with Aude Pommeret and Ian Ridley) (under review)

AI Revolution Theory Evidence and Policy (with Burak Ünveren and Seçkin Sunal) (under review)

Electricity Generation Failures and the Capacity Remuneration Mechanism in Turkey (with Sevil Acar Aytekin and Simay Kizilkaya) (under review)

Moderate economic inequality boosts AI (with Burak Ünveren)

Precautionary Storage in Electricity Markets. FAERE Working Paper

RESEARCH PROJECTS

2023: TÜBİTAK 1003 - Priority Areas R&D Projects Support Program: Production of Standard Collagen, Collagen Hydrolysates, and Bioactive Peptides from Fish Processing Waste, Development of Innovative Food Packaging, and Application in Special-Purpose Formula Foods. 09.2023 - to date

2023: BioBarrier4Fiber (CORNET: Collective Research NETworking): Multifunctional biobased water vapor barrier coatings for fiber based packaging materials (Economic Analysis). 04.2023 - to date

2021: Electricity Generation Failures, Strategic Capacity Withholding, and Capacity Remuneration Mechanism in Turkey. Project funded by Yildiz Technical University. 04.2021 - 04.2023.

2019: Turkish Capacity Remuneration Mechanism: An evaluation based on economics, environment, and energy security. Project funded by Greenpeace (Mediterranean). 12.2019 - 12.2020.

2017: Sustainably REducing energy poVErty (REVE), Agence nationale de la recherche. 12.2019 - 12.2020.

2015: General Research Fund (GRF) in Hong Kong, Irreversible decisions and thresholds under specific uncertainty: Designing the energy source mix for electricity generation.

2015: Center for Sustainable Energy Studies (CenSES), Research Area 3: Economic Analysis.

REFEREEING

Nature Energy; *The Economic Journal*; *The Energy Journal*; *Resource and Energy Economics*; *Scandinavian Journal of Economics*; *Review of Industrial Organization*; *Energy Economics*; *Energy*; *Economics Bulletin*; *Environmental Modeling and Assessment*; *Cleaner Environmental Systems*; *City and Environment Interactions*; *Natural Resource Modeling*; *Energy Sources, Part B: Economics, Planning, and Policy*

LECTURES, CONFERENCES, AND SEMINARS

2023: Bergen Economics of Energy and Environment Research Conference 2023 (BEEER 2023), 5-6 June (presenter); TrANsMIT COST Action (CA21127) Workshop on Understand synergies and differences of TEA of CCUS and NETs, Trondheim, Norway (*invited*); WIRE's MC Meeting & 2nd WGs Workshop (COST Action: CA20127), 29-30 Mar (poster presentation), Thessaloniki, Greece;

2022: WIRE's Working Groups Workshop (COST Action: CA20127), 6-7 Oct (Moderator for WG3), Naples, Italy (*invited*); International DAAD-TGU Conference on Economic Dimensions of Sustainability, 12-13 May, Istanbul, Turkey (*invited*)

2021: 40th Congress On Operations Research / Industrial Engineering, 4-7 Jul (presenter/Online), Istanbul, Turkey

2020: Scientific Solar Summer School, Plenary Lecture: Solar and Economy, Oct 21, Bourget-du-Lac, France (*invited*); 4th Annual Conference on Social Sciences (AICCS 2020), 10-11 Sep (presenter/Online), Istanbul, Turkey; The 5th AIEE Energy Symposium on Energy Security, 15-17 Dec (presenter/Online), Milan, Italy; CESifo Area Conference on Economics of Digitization, 19-20 Nov (Presenter/Online)

2019: 2019 Asset Conference, Oct 25-27, Athens, Greece; World Energy Strategies Congress and Exhibition (WESCE), Aug 27 Istanbul, Turkey (*invited*); European Association of Environmental and Resource Economists (EAERE) 24rd Annual Conference, 26-29 Jun (presenter), Manchester, UK; Lunch Seminar, SCCER Competence Center for Research in Energy, Society and Transition (CREST), University of Basel, Feb 8, Basel, Switzerland (*invited*)

2018: International Conference on Economics Turkish Economic Association - ICE-TEA 2018, 1-3 Nov (presenter), Antalya, Turkey

2017: 4th FAERE Annual Conference, 12-13 Septembre, Nancy; EAERE 23rd Annual Conference, 28 Jun-01 Jul (presenter), Athens, Greece; EconAnadolu 2017, 11 - 13 May, Eskisehir, Turquie; 3rd International Conference on Applied Economics and Finance (ICOAEF 2017), 6 - 7 Decembre, Kyrenia, Cyprus

2016: The 65th Annual Meeting of the French Economic Association, 27-29 June (presenter), Nancy, France; European Association of Environmental and Resource Economists (EAERE) 22st Annual Conference, 22-25 Jun (presenter and discussant), Zurich, Siwtzerland; The 39th International Association for Energy Economics (IAEE) International Conference, 19 - 22 June (presenter), Bergen, Norway; Rokko Forum, Graduate School of Economics, Kobe University, 8 Jun, Kobe, Japan (*invited*)

2015: 10th Conference on The Economics of Energy and Climate Change, 8-9 Sep, Toulouse, France (*invited*); EAERE 21st Annual Conference, 24 - 27 Jun (presenter and discussant), Helsinki, Finland; Bergen Economics of Energy and Environment Research Conference 2015 (BEEER 2015), 4-5 May (presenter and discussant), Bergen, Norway; The 38th IAEE International Conference, 25 - 27 May (presenter), Antalya, Turkey

2014: 5th World Congress of Environmental and Resource Economists, 28 Jun - 02 Jul (presenter and discussant) Istanbul, Turkey; The 37th IAEE International Conference, Special PhD Session, 15 - 18 Jun (presenter), New York City, New York; BEEER 2014, 12-13 May (presenter and discussant), Bergen, Norway; The 36th Annual Meeting of the Norwegian Association of Economists, 6-7 Jan (presenter and discussant), Oslo, Norway; FIBE 2014, 9-10 Jan (presenter), Bergen, Norway

2013: EAERE 20th Annual Conference, 26 - 29 Jun (presenter and discussant), Toulouse, France; BEEER 2013, 13-14 May (presenter and discussant), Bergen, Norway; The Economics of Energy Markets, 17-18 Jan (discussant), Toulouse, France (*invited*)

2012: BEEER 2012, 15-16 May (presenter and discussant), Bergen, Norway; Nordic Workshop in Industrial Organization, NORIO VIII, 8-9 June (presenter), Copenhagen, Denmark

2011: Research Conference: Energy and the Environment, 20-21 Jan (presenter), Bergen, Norway

TEACHING AND
ADMINISTRATIVE
EXPERIENCE

YTU, Department of Economics

Teaching: *PhD*: Advanced Environmental Economics; *Master*: Environmental Economics; *Bachelor*: Statistics; Energy and Natural Resource Economics; Environmental Economics; Microeconomics; Principles of Economics; Introduction to Environmental Economics; Economics of Regulation and Competition; Introductory Computer Science (in Matlab or Python)

Administrative: Vice Head of Department (2021 - to Date); Departmental Erasmus+ Coordinator (2017-2020)

Solar Academy Graduate School (USMB, CNRS AND CEA)

Teaching: *Master*: Economics of Energy and Climate Policies; Price Dynamic Modeling; Long Run Optimization (Dynamic Control); 100% Renewable Objective

NHH, Department of Economics

Graduate Assistant / Courses - *Master*: Optimization and Microeconomic Theory; Petroleum Economics; Growth and Architecture of Financial Systems

USC, Department of Economics

Graduate Assistant / Courses - *Bachelor*: Principles of Microecon.; Principles of Macroecon.

YTU, Department of Economics

Graduate Assistant / Courses - *Bachelor*: Mathematics for Economists I-II

HONORS AND AWARDS

The Scientific and Technological Research Institution of Türkiye (TÜBİTAK), Above-Threshold-Award, 2023
TÜBİTAK, Coordinators Support Award, 2022
Erasmus+ Staff Mobility for Teaching Grant, IAE Savoie Mont Blanc, Annecy, France, Feb 2019
University Award, Publication Score, Yildiz Technical University, 2018
Best Paper Award: Ecological Economics, 3rd International Conference on Applied Economics and Finance, Dec 2017
Graduate Assistantship, Department of Economics, NHH, 2009-2013
Norges Bank Fund for Economics Research, 2012
Professor Wilhelm Keilhaus Memorial Fund for Economic Scientific Research, 2012
Graduate Assistantship, Department of Economics, USC, 2007-2008

COMPUTER SKILLS

Modelling Languages and Applications

Matlab, Python, GAMS, Stata, Mathematica, L^AT_EX, EViews

LANGUAGE SKILLS

Turkish (native), English (fluent), Norwegian (advanced—Test i norsk/høyere nivå), German (advanced), Swedish (intermediate), French (pre-intermediate)

REFERENCES

Fred Schroyen, Professor
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