Mohammad Ansarin

Academic Curriculum Vitae

Iranian citizenship

▬ Education

2015 – Present
PhD Candidate in Management Information Systems, *Rotterdam School of Management, Erasmus University*, Rotterdam, the Netherlands.

2013 – 2015
MSc in Biomedical Sciences and Engineering, *Koc University*, Istanbul, Turkey, GPA 3.67/4.
Thesis: A Comparison of Nanoindentation and Mesoscale Measurements on Polychloroprene Rubber

2008 – 2012
BSc in Mechanical Engineering, *Sharif University of Technology*, Tehran, Iran, GPA 15.56/20.
Thesis: Design of a Reciprocating Gait Orthosis

▬ Experience

2021 Mar – Present
Post-doctoral Researcher, *Technology and Operations Management, Rotterdam School of Management, Erasmus University*, Rotterdam, the Netherlands.
Researcher for "**Flex**ibility in **S**mart **U**rban Energy **S**ystems" project. Details in *Research Projects Subsection*

2015 Sep – Present
PhD Candidate, *Technology and Operations Management, Rotterdam School of Management, Erasmus University*, Rotterdam, the Netherlands.
Research projects at the intersection of management, economics, and energy systems. Details in *Research Projects*
Teaching assistant for multiple courses and MSc thesis supervision. Details in *Teaching Subsection*
Rotterdam School of Management Faculty Council representative (September 2017 - August 2019); Vice-Chair (September 2019 - August 2021)

2013 – 2015
Research and Teaching Assistant, *Graduate School of Sciences and Engineering, Koc University*, Istanbul, Turkey.
Details in *Research Projects* and *Teaching*

Summer 2012 (2 months)
Internship, *Rahbord Danesh Pooya Institute*, Tehran, Iran.
Rahbord Danesh Pooya is an engineering consulting firm based in Tehran, Iran, which focuses on optimizing efficiency in large-scale industrial projects across Iran. More at: rdpi.ir/en

2011 – 2012 (9 months)
Translator, *Sharif Journal of Mechanics (Nameh Mechanice Sharif, Sharif University of Technology)*, Tehran, Iran.
Translated multiple general interest and mechanical engineering articles for the Journal.

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Summer 2011 (2 months)	**Internship**, *Biofluid Engineering Lab, Mechanical Engineering Department, Sharif University of Technology*, Tehran, Iran. Designed a peristaltic pump for bioreactor fluids, with focus on minimizing turbulent flow and pressure gradients within fluid.

Research Projects

(reverse chronological order)

2021 Mar – Present	**Flexibility in Smart Urban Energy Systems**, *with Yashar Ghiassi-Farrokhfal and partners from Denmark Technical University, Chalmers University of Technology, Linkoping University, and the municipalities of Lyngby-Taerbek and Holbaek (Denmark).* Details at `https://flexsus.org/`
2021 Mar – Present	**Designing an Inter-Sectoral Energy Storage System**, *with Bart van Lunteren and Yashar Ghiassi-Farrokhfal.*
Working papers	1. **[Same title]**; *presented at IAEE International Conference 2019.*
2019 July – Present	**Agent Based Digital Urban Energy Business Ecosystem: An Agent-based Simulation of Retail and P2P Business Models**, *with Stefano Zambotti, Jason Bassett, and Yashar Ghiassi-Farrokhfal.*
2016 Jan – Present	**PhD Dissertation: The Economic Consequences of Electricity Pricing in the Renewable Energy Era**, *Supervisors: Wolfgang Ketter and Yashar Ghiassi-Farrokhfal; also with John Collins.* My PhD dissertation is on the consequences of managerial decisions within the electricity grid studied with an economic lens. I focus on the effects of metering and tariff design on equity and economic efficiency, especially in high-renewables scenarios.
Working papers	1. **Economic Inefficiencies of Distributed Generation under Novel Tariff Designs**; *presented at International Conference of Applied Energy 2020.* 2. **A Review of Equity in Electricity Tariffs in the Second Renewable Energy Era**; 3. **The Economic Consequences of Electricity Tariff Design in a Renewable Energy Era**; published in Applied Energy; *presented at International Conference of Applied Energy 2019, IAEE International Conference 2019.* 4. **Cross-subsidies Among Residential Prosumers from Tariff Design and Metering Infrastructure**; published in Energy Policy; *presented at IAEE International Conference 2018, Workshop on Information Technology and Systems (WITS) 2017, WITS 2016.*
2015 Sep – Present	**The Power Trading Agent Competition**, *with Wolfgang Ketter, John Collins, and Yashar Ghiassi-Farrokhfal.* Power TAC is a competitive simulation of the electricity supply chain. The platform uses a dynamic agent-based modeling approach to understand the effects of various changes in the electricity grid. We seek to evaluate policy and business decisions by clarifying their potential consequences and predicting future market trends. More info at `powertac.org`

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Working papers	1. **Alignment Activities in Competitive Benchmarking: Analysis of the Power Trading Agent Competition**; *presented at IEEE Innovative Smart Grids Conference Europe 2016 (`doi.org/10.1109/ISGTEurope.2016.7856197`), IJCAI 2016 AMEC-TADA Workshop, Energy Informatics and Management Conference 2016*

2019 Jan – 2020 July	**Temporal city-scale matching of solar photovoltaic generation and electric vehicle charging**, *with Ulrich Fretzen and Tobias Brandt*.
2014 – 2015	**EMRP MeProvisc Project**, *EURAMET*.
	The MeProVisc project was a joint research program aimed at developing novel measurement standards for viscoelastic materials (e.g. Rubbers). We contributed to the project through testing viscoelastics and comparing results between various testing methods. More info at: `http://projects.npl.co.uk/meprovisc/`
2013 – 2015	**MSc Thesis: A Comparison of Nanoindentation and Mesoscale Measurements on Polychloroprene Rubber**, *Graduate School of Sciences and Engineering, Koc University*, Istanbul, Turkey, Advisor: Cagatay Basdogan.
	Research involved modeling and testing viscoelastic materials (e.g. rubbers, silicone, liver tissue), viscoelasticity measurement instruments designs, and computational considerations.
2012	**BSc Thesis: Design of a Reciprocating Gait Orthosis**, *Mechanical Engineering Department, Sharif University of Technology*, Tehran, Iran, Advisor: Mohammad Ahmadian.

Teaching

2015 – present	**MSc thesis coach/co-reader**, *Rotterdam School of Management, Erasmus University*, Rotterdam, Netherlands.
	Supervision of over 40 MSc research theses.
2015 – present	**Teaching Assistant/Lecturer**, *Rotterdam School of Management, Erasmus University*, Rotterdam, Netherlands.
	Lecturer and Teaching Assistant for Next Generation Business Applications (2 years) and Designing Business Applications (4 years) courses, part of the Business Information Management MSc program. Teaching Assistant for Energy Analytics for Sustainability course (1 year), an RSM MBA course.
2013 Feb – 2015 June	**Teaching Assistant**, *Graduate School of Sciences and Engineering, Koc University*, Istanbul, Turkey.
	Assistant for Dynamic Modeling and Control (3 semesters, Instructor: Cagatay Basdogan) and Machine Design (2 semesters, Instructors: Halit Turkmen, Kerem Pekkan) courses, from the BSc in Mechanical Engineering program.
2009 – 2010	**Teaching Assistant**, *Language Department, Sharif University of Technology*, Tehran, Iran.
	Assistant to Minoo Alemi in the General English course (2 semesters); focus on essay writing.

I also regularly review articles for academic journals (Energy Policy, Utilities Policy, The Energy Journal, Business and Information Systems Engineering, Energy Efficiency) and conferences (AAMAS, ICIS, HICSS, ECIS, ICAE, ACM e-Energy).

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Academic Journal Publications

2021   **Temporal city-scale matching of solar photovoltaic generation and electric vehicle charging**, *Fretzen, U.*, ***Ansarin, M.***, *Brandt, T.,*, Applied Energy, 282; `https://doi.org/10.1016/j.apenergy.2020.116160`.

2020   **Cross-subsidies among Residential Prosumers from Tariff Design and Metering Infrastructure**, ***Ansarin, M.***, *Ghiassi-Farrokhfal, Y., Ketter, W., Collins, J.*, Energy Policy, 145; `https://doi.org/10.1016/j.enpol.2020.111736`.

2020   **The economic consequences of electricity tariff design in a renewable energy era**, ***Ansarin, M.***, *Ghiassi-Farrokhfal, Y., Ketter, W., Collins, J.*, Applied Energy, 275; `doi.org/10.1016/j.apenergy.2020.115317`.

2016   **Effect of pre-heating on the mechanical properties of silorane-based and methacrylate-based composites**, *Mohammadi, N., Jafari-Navimipour, E., Kimyai S., Ajami A., Bahari, M.*, ***Ansarin, M.***, *Ansarin, M.*, Journal of Clinical and Experimental Dentistry, 8,4; `doi.org/10.4317/jced.52807`.

Other Publications

2020   **On the Fairness Debate Surrounding Electricity Tariff Design in the Renewable Energy Era**, *Mohammad Ansarin*, IAEE Energy Forum, 3; `https://www.iaee.org/documents/2020EnergyForum3qtr.pdf`.

Grants and Awards

Jan 2014   **Koc University Graduate Student Full Scholarship**, *Koc University*, Istanbul, Turkey.

Feb 2013   **TUBITAK Project Scholarship**, *Science and Technological Research Council of Turkey*. Grant Code: 110M469

Test Scores and Certificates

May 2016   **Cambridge CPE**, *Grade A*.

Oct 2014   **GMAT**, *770*, 99th percentile, Analytical Writing: 5.0.

Oct 2014   **TOEFL iBT**, *116*.

Oct 2011   **GRE General**, *160 Verbal, 168 Quantitative, 4.0 Analytical Writing*, Percentiles: 84th, 95th, 56th.

June 2008   **Iran's 2008 National Undergraduate Entrance Exam in Science and Engineering**, *127th, 99.9th percentile (400k+ participants)*.

June 2008   **Iran's 2008 National Undergraduate Entrance Exam in Language Studies**, *3rd, 99.9th percentile (300k+ participants)*.

Nov 2006   **Senior Certificate in English**, *Iran Language Institute*, Tabriz, Iran.
The ILI is the largest language center in Iran; the SCE is its final certificate in English proficiency.

Languages

Native   English, Farsi

Proficient   Turkish, Azeri

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Beginner	Dutch, Arabic

Computer skills

Advanced	R, Microsoft Office, Matlab
Proficient	LaTeX, C++, Solidworks
Beginner	Python, Linux, SPSS, AutoCAD, FLUENT, Fortran

Interests

Guitar, Piano

Travel, Hiking, the Great Outdoors

Aviation, Aeronautics

References

Website   **Wolfgang Ketter**, *Chaired Professor of Information Systems; Faculty of Management, Economics, and Social Sciences, University of Cologne, Cologne, Germany*, +49 221 470 5325, ketter@wiso.uni-koeln.de.

Website   **Yashar Ghiassi-Farrokhfal**, *Assistant Professor, Department of Technology and Operations Management, Rotterdam School of Management, Erasmus University, Rotterdam, Netherlands*, +31 10 40 81957, y.ghiassi@rsm.nl.

Website   **John Collins**, *Assistant Professor of Computer Science; University of Minnesota, Minneapolis, MN, United States*, jcollins@cs.umn.edu.

Website   **Tobias Brandt**, *Assistant Professor, Department of Technology and Operations Management, Rotterdam School of Management, Erasmus University, Rotterdam, Netherlands*, +31 10 40 81636, brandt@rsm.nl.

Website   **Eric van Heck**, *Professor, Department of Technology and Operations Management, Rotterdam School of Management, Erasmus University, Rotterdam, Netherlands*, +31 10 40 82029, eheck@rsm.nl.