Ata Atay

CONTACT INFORMATION	Department of Mathematical Economics, Finance, and Actuarial Sciences Faculty of Economics and Business Avinguda Diagonal, 690, Office: 2130 08034, Barcelona, Spain.	Citizenship: Turkey Phone: +34 913987807 aatay@ub.edu sites.google.com/site/ataatay

CURRENT POSITION

University of Barcelona October 2021–
Serra Húnter Assistant Professor of Economics
at the Department of Mathematical Economics, Finance and Actuarial Sciences

ACADEMIC POSITIONS

UNED March 2020–Oct 2021
Assistant Professor of Economics
at the Department of Economic Analysis

CEREC & CORE, UCLouvain Saint-Louis-Bruxelles Sep 2019–Feb 2020
Postdoctoral researcher

Institute of Economics, Hungarian Academy of Sciences Oct 2017–Aug 2019
Postdoctoral researcher at the Mechanism Design Group.

Corvinus University of Budapest Feb 2018–Feb 2019
Half-time lecturer at
the Department of Operations Research and Actuarial Sciences.

RESEARCH INTERESTS Game theory, matching theory, market design, operations research.

EDUCATION

PhD in Economics, *excel·lent (summa) cum laude* 2017
School of Economics, Universitat de Barcelona, Spain. *Advisor:* Marina Núñez.

MSc in Advanced Mathematics 2011
Department of Mathematics, Universitat Autònoma de Barcelona, Spain.

BSc in Mathematical Engineering 2010
Department of Mathematical Engineering, Yildiz Technical University, Turkey.

ACADEMIC VISITS

Center for Operations Research and Econometrics (CORE) May 2019
Université catholique de Louvain
Hosts: Ana Mauleon, Vincent Vannetelbosch

University of Barcelona Short stay, Feb 2019
Host: Pedro Calleja

University of Barcelona Short stay, Feb 2018
Host: Marina Núñez

Tepper School of Business, Carnegie Mellon University Jan–May 2016
Hosts: Isa Hafalir, M. Bumin Yenmez

PUBLICATIONS

1. Atay A., P. Calleja, and S. Soteras (2021). Open shop scheduling games, ***European Journal of Operational Research***, 295: 12–21.

2. Atay A., A. Mauleon, and V. Vannetelbosch (2021). A bargaining set for roommate problems, ***Journal of Mathematical Economics***, 94: 102465.

3. Atay A. and M. Núñez (2019). Multi-sided assignment games on m-partite graphs, **_Annals of Operations Research_**, 279: 271–290.

4. Atay A. and M. Núñez (2019). A note on the relationship between the core and stable sets in three-sided markets, **_Mathematical Social Sciences_**, 98: 10–14.

5. Atay A. and T. Solymosi (2018). On bargaining sets of supplier-firm-buyer games, **_Economics Letters_**, 167: 99–103.

6. Atay A. (2017). An alternative proof of the characterization of core stability for the assignment game, **_Operations Research Letters_**, 45: 217–219.

7. Atay A., F. Llerena, and M. Núñez (2016). Generalized three-sided assignment markets: core consistency and competitive prices, **_TOP_**, 24: 572–593.

WORKING PAPERS

1. Queueing games with an endogenous number of machines, with Christian Trudeau, July 2022.

2. Key players in bullying networks, with Ana Mauleon, Simon Schopohl and Vincent Vannetelbosch, May 2022.

3. Matching markets with middlemen under transferable utility, with Eric Bahel and Tamás Solymosi, September 2021.

TEACHING EXPERIENCE

Lecturer, University of Barcelona:

Non-linear programming and network flows	Fall 2022-...
Joint BA in Statistics together with	
Polytechnic University of Catalonia (**Taught at the UPC**).	
Decision Theory (BA in Business Management)	Spring 2022-...
Mathematics 2 (BA in Business Management)	Spring 2022-...
Mathematics 2 (BA in Economics)	Spring 2022-...
Mathematics (BA in International Business)	Fall 2021-...
Mathematics 1 (BA in Economics)	Fall 2021-...
Decision Theory (BA in Business Management)	Fall 2021-...

Lecturer, UNED:

Three undergraduate thesis supervision (BA in Economics)	Spring 2021
Three undergraduate thesis supervision (BA in Management)	Spring 2021
Introduction to Macroeconomics (BA in Economics)	Spring 2021
Introduction to Macroeconomics (BA in Economics)	Spring 2020

Lecturer, Corvinus University of Budapest:

Market Design (BA in Economics)	Fall 2018
Operations Research (BA in Economics)	Spring 2018

Teaching Assistant, University of Barcelona:

Game Theory (BA in Business Administration)	Fall 2016

GRANTS

"Areas Emergents" Research Grant of UB	July 2022–Dec 2023
co-PI of AS017672 Research Project (13.5K EUR)	
Barcelona Economic Analysis Team	June 2022
Travel Grant (1K EUR)	
Hungarian National Research, Development, and Innovation Office	2018–2021
PD-128348 Individual Project (15.6 M HUF)	
Cost Action European Network for Game Theory (CA 16228)	2019

	Short Term Scientific Mission Grant (1.5K EUR)	
	Cost Action European Network for Game Theory (CA 16228)	2019
	Short Term Scientific Mission Grant (1.2K EUR)	
	Game Theory and Assignment Markets Research Group Grant	2014–2017
	Summer School on Network Theory-CIGNE 2017, Roscoff, France	2017
	Cost Action IC1205 Short Term Scientific Mission Grant	2015
	International Workshop on Game Theory and Economic Applications	2014
	São Paulo, Brazil	
	Enrolment grant for Advanced Mathematics Master	2010
	Universitat Autònoma de Barcelona	

PARTICIPATION IN RESEARCH PROJECTS	**Networks in societies: information, elections, and financial markets"**	July 2022–Dec 2023
	University of Barcelona "Areas Emergents" Research Grants	
	As co-PI with Oriol Tejada (PI)	
	Social and economic network formation under limited farsightedness: theory and applications	Sep 2019–Feb 2020
	the Belgian French speaking community ARC project 15/20-072	
	PI: Ana Mauleon and Vincent Vannetelbosch	
	Game Theory Working Group	Feb 2019–
	Spanish Society of Statistics and Operations Research (SEIO)	
	PI: Encarnación Algaba	
	Heuristic problem solving in matching mechanisms	Sep 2017–Feb 2020
	Hungarian Academy of Sciences	
	PI: Péter Biró	
	Game theory and assignment markets	2014–2017
	Consolidated research group (2014SGR40) by Generalitat de Catalunya	
	PI: Marina Núñez	

MEMBER OF PH.D. COMMITTEES

Saadia El Obadi: *"Generalizations of assignment games and information market games"*
Universitat de Lleida, Spain, October 2019.

PROFESSIONAL ACTIVITIES

Program Committee:
The 11th Conference on Economic Design 2019 (Budapest, Hungary).
Organizing Committee:
The V SEIO Course on Game Theory: Algorithmic and game theoretic aspects of matching markets (Barcelona, Spain).
The 11th Conference on Economic Design 2019 (Budapest, Hungary).
Referee for:
Annals of Operations Research, Games and Economic Behavior, IISE Transactions, International Journal of Game Theory, International Journal of Economic Theory, Journal of Mathematical Economics, SN Business & Economics, Operational Research: An International Journal.
Reviewer for:
Mathematical Reviews.

PRESENTATIONS

2022: HEC-Liége (QuantOM, scheduled), KU Leuven (ORSTAT), the 33rd Stony Brook International Conference on Game Theory (Stony Brook, NY), the 12th Conference on Economic Design (Padova, Italy), the 25th Coalition Theory Network Workshop (Barcelona, Spain), University of Granada.
2021: International Conference on Social Choice and Voting Theory, PPE at Virginia Tech (online).
2019: Aix-Marseille School of Economics, Université catholique de Louvain (Center

of Operations Research and Econometrics), Université Saint-Louis Brussels (CEREC), University of Barcelona, the 11th Conference on Economic Design (Budapest, Hungary), SING15 (Turku, Finland), the 11th Lisbon Meetings in Game Theory and Applications (Lisbon, Portugal).
2018: the 14th Meeting of the SSCW (Seoul, South Korea), SEIO 2018 (Oviedo, Spain), University of Barcelona.
2017: the 10th Conference on Economic Design (York, UK), School of Government TEC Monterrey, Centre d'Économie de la Sorbonne, the 1st Catalan Economic Society Conference (Barcelona, Spain).
2016: GAMES 2016 (Maastricht, the Netherlands), SING12 (Odense, Denmark), the 13th Meeting of the SSCW (Lund, Sweden), Pennsylvania Economic Theory Conference 2016, *Poster session* (State College, PA), CMU-Pitt Economic Theory Seminar (Pittsburgh, PA).
2015: the 15th SAET Conference (Cambridge, UK), the 26th International Conference on Game Theory (Stony Brook, NY), the 9th Conference on Economic Design (Istanbul, Turkey), Match-UP 2015 (Glasgow, UK).
2014: International Workshop on Game Theory and Economic Applications *Poster session* (São Paulo, Brazil), SING 10 (Krakow, Poland).

PARTICIPATIONS   **2019:** Advances in Stochastic Games Workshop (Budapest, Hungary).
2017: Summer School on Network Theory-CIGNE 2017 (Roscoff, France).
2014: COST Action IC1205 Meeting (Maastricht, the Netherlands).
2013: COST Action IC1205 Meeting (Barcelona, Spain), Summer School on Matching Problems, Markets and Mechanisms by COST Action IC1205 (Budapest, Hungary), SING 9 (Vigo, Spain).
2012: Games 2012 (Istanbul, Turkey).

ACCREDITATIONS   **One 'sexenio' (six-year period research recognition)** for 2016-2021 by the Catalan University Quality Assurance Agency (AQU).
Profesor contratado doctor by the Spanish National Agency for Quality Assessment and Accreditation (ANECA).
Profesor ayudante doctor by the Spanish National Agency for Quality Assessment and Accreditation (ANECA).
Professor lector by the Catalan University Quality Assurance Agency (AQU).

LANGUAGES   Turkish (native), English (fluent), Spanish (fluent)

REFERENCES   **Prof. Péter Biró**
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Hungarian Academy of Sciences
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Prof. Marina Núñez
School of Economics
University of Barcelona
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