

CONTACT INFORMATION	Department of Mathematical Economics, Finance, and Actuarial Sciences Avinguda Diagonal, 690, Office: 2130 08034, Barcelona, Spain.	Citizenship: Turkey Phone: +34 934021952 aatay@ub.edu sites.google.com/site/ataatay
CURRENT POSITION	University of Barcelona Serra Hünter Assistant Professor of Economics at the Department of Mathematical Economics, Finance and Actuarial Sciences	October 2021–
ACADEMIC POSITIONS	UNED Assistant Professor of Economics at the Department of Economic Analysis	March 2020–Oct 2021
	CEREC & CORE, UCLouvain Saint-Louis-Bruxelles Postdoctoral researcher	Sep 2019–Feb 2020
	Institute of Economics, Hungarian Academy of Sciences Postdoctoral researcher at the Mechanism Design Group .	Oct 2017–Aug 2019
	Corvinus University of Budapest Half-time lecturer at the Department of Operations Research and Actuarial Sciences.	Feb 2018–Feb 2019
RESEARCH INTERESTS	Game theory, matching theory, market design, operations research.	
EDUCATION	PhD in Economics , <i>excellent (summa) cum laude</i> School of Economics, Universitat de Barcelona, Spain.	2017 <i>Advisor:</i> Marina Núñez
	MSc in Advanced Mathematics Department of Mathematics, Universitat Autònoma de Barcelona, Spain.	2011
	BSc in Mathematical Engineering Department of Mathematical Engineering, Yildiz Technical University, Turkey.	2010
ACADEMIC STAYS	Simons Laufer Mathematical Sciences Institute (SLMath) <i>formerly Mathematical Science Research Institute (MSRI)</i> Research member at the program <i>Mathematics and Computer Science of Market and Mechanism Design.</i>	Aug–Nov 2023
	Center for Operations Research and Econometrics (CORE) Université catholique de Louvain Hosts: Ana Mauleon, Vincent Vannetelbosch	May 2019
	University of Barcelona Host: Pedro Calleja	Short stay (2 weeks), Feb 2019
	University of Barcelona Host: Marina Núñez	Short stay (2 weeks), Feb 2018
	Tepper School of Business, Carnegie Mellon University Hosts: Isa Hafalir, M. Bumin Yenmez	Jan–May 2016
PUBLICATIONS	1. Atay, A., A. Mauleon, S. Schophol, and V. Vannetelbosch. Key players in network-oriented interventions , <i>Forthcoming in Journal of Economic Interaction and Coordination</i> .	

2. Atay, A., E. Bahel, and T. Solymosi (2023). [Matching markets with middlemen under transferable utility](#), *Annals of Operations Research*, 322: 539–563.
3. Atay A., P. Calleja, and S. Soteras (2021). [Open shop scheduling games](#), *European Journal of Operational Research*, 295: 12–21.
4. Atay A., A. Mauleon, and V. Vannetelbosch (2021). [A bargaining set for roommate problems](#), *Journal of Mathematical Economics*, 94: 102465.
5. Atay A. and M. Núñez (2019). [Multi-sided assignment games on \$m\$ -partite graphs](#), *Annals of Operations Research*, 279: 271–290.
6. 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.
7. Atay A. and T. Solymosi (2018). [On bargaining sets of supplier-firm-buyer games](#), *Economics Letters*, 167: 99–103.
8. Atay A. (2017). [An alternative proof of the characterization of core stability for the assignment game](#), *Operations Research Letters*, 45: 217–219.
9. 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. [Matching markets with farsighted couples](#), with Sylvain Funck, Ana Mauleon and Vincent Vannetelbosch, April 2023.
2. [Limited farsightedness in priority-based matching](#), with Ana Mauleon and Vincent Vannetelbosch, December 2022.
3. [School choice with farsighted students](#), with Ana Mauleon and Vincent Vannetelbosch, November 2022.
4. [Queueing games with an endogenous number of machines](#), with Christian Trudeau, July 2022.

TEACHING EXPERIENCE

Lecturer, University of Barcelona:

Non-linear programming and network flows	Fall 2022-...
Joint BA in Statistics together with Barcelona Tech-UPC (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:

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
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GRANTS	“Areas Emergents” Research Grant of UB	July 2022–Dec 2023
	as co-PI of AS017672 Research Project (13.5K EUR)	
	<i>“Networks in societies: information, elections, and financial markets”</i>	
	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
PARTICIPATION IN RESEARCH PROJECTS	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	
	Distribución equitativa en problemas de reparto, coaliciones, redes y mercados	Feb 2023– Aug 2024
	the Spanish Ministry of Science, Innovation, and Universities	
	<i>PIs: Marina Núñez and Carles Rafels</i>	
	Networks in societies: information, elections, and financial markets”	July 2022–Dec 2023
	University of Barcelona “Areas Emergents” Research Grants	
	<i>As co-PI with Oriol Tejada (PI)</i>	
MEMBER OF PH.D. COMMITTEES	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	
	<i>PIs: Ana Mauleon and Vincent Vannetelbosch</i>	
	Game Theory Working Group	Feb 2019–
	Spanish Society of Statistics and Operations Research (SEIO)	
	<i>PI: Encarnación Algaba</i>	
	Heuristic problem solving in matching mechanisms	Sep 2017–Feb 2020
	Hungarian Academy of Sciences	
	<i>PI: Péter Biró</i>	
	Game theory and assignment markets	2014–2017
	Consolidated research group (2014SGR40) by Generalitat de Catalunya	
	<i>PI: Marina Núñez</i>	
PROFESSIONAL ACTIVITIES	Pierre de Callataÿ , UCLouvain, Belgium.	June 2023.
	<i>“Three essays on farsightedness in network formation”.</i>	
	Saadia El Obadi , Universitat de Lleida, Spain.	October 2019.
PROFESSIONAL ACTIVITIES	<i>“Generalizations of assignment games and information market games”.</i>	
	Program Committee:	
	2022: University of Barcelona Game Theory Workshop.	
	2019: The 11th Conference on Economic Design 2019 (Budapest, Hungary).	
	Organizing Committee:	
	2022: University of Barcelona Game Theory Workshop.	
PROFESSIONAL ACTIVITIES	2021: The V SEIO Course on Game Theory: Algorithmic and game theoretic aspects of matching markets (Barcelona, Spain).	

2019: 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, Mathematical Social Sciences, SN Business & Economics, Operational Research: An International Journal.

Reviewer for:

Mathematical Reviews.

PRESENTATIONS

2023: the 12th Lisbon Meetings in Game Theory and Applications (Lisbon, Portugal), the 13th Conference on Economic Design (Girona, Spain).

2022: HEC-Liège (QuantOM), 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).

ACCREDITATIONS

One ‘sexenio’ (six-year period research recognition) for 2016-2021 by the Catalan University Quality Assurance Agency (AQU).

Professor agregat 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), Catalan (B1).

REFERENCES

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Last update: August 9, 2023