

## Ata Atay

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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 934021952 aatay@ub.edu <a href="https://sites.google.com/site/ataatay">sites.google.com/site/ataatay</a>
CURRENT POSITION	<b>University of Barcelona</b> Tenure-track (Serra Húnter) Assistant Professor of Economics at the Department of Mathematical Economics, Finance and Actuarial Sciences	October 2021–
ACADEMIC POSITIONS	<b>UNED</b> Assistant Professor of Economics at the Department of Economic Analysis	March 2020–Oct 2021
	<b>CEREC &amp; CORE, UCLouvain Saint-Louis-Bruxelles</b> Postdoctoral researcher	Sep 2019–Feb 2020
	<b>Institute of Economics, Hungarian Academy of Sciences</b> Postdoctoral researcher at the <a href="#">Mechanism Design Group</a> .	Oct 2017–Aug 2019
	<b>Corvinus University of Budapest</b> 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	<b>PhD in Economics</b> , <i>excellent (summa) cum laude</i> School of Economics, Universitat de Barcelona, Spain.	2017 <i>Advisor:</i> Marina Núñez.
	<b>MSc in Advanced Mathematics</b> Department of Mathematics, Universitat Autònoma de Barcelona, Spain.	2011
	<b>BSc in Mathematical Engineering</b> Department of Mathematical Engineering, Yildiz Technical University, Turkey.	2010
ACADEMIC VISITS	<b>Center for Operations Research and Econometrics (CORE)</b> <b>Université catholique de Louvain</b> <b>Hosts:</b> Ana Mauleon, Vincent Vannetelbosch	May 2019
	<b>University of Barcelona</b> <b>Host:</b> Pedro Calleja	Short stay, Feb 2019
	<b>University of Barcelona</b> <b>Host:</b> Marina Núñez	Short stay, Feb 2018
	<b>Tepper School of Business, Carnegie Mellon University</b> <b>Hosts:</b> Isa Hafalir, M. Bumin Yenmez	Jan–May 2016
PUBLICATIONS	<ol style="list-style-type: none"> <li>Atay A., P. Calleja, and S. Soteras (2021). <a href="#">Open shop scheduling games</a>, <i>European Journal of Operational Research</i>, 295: 12–21.</li> <li>Atay A., A. Mauleon, and V. Vannetelbosch (2021). <a href="#">A bargaining set for roommate problems</a>, <i>Journal of Mathematical Economics</i>, 94: 102465.</li> </ol>	

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. School choice with farsighted students, with Ana Mauleon and Vincent Vannetelbosch, November 2022.
2. Queueing games with an endogenous number of machines, with Christian Trudeau, July 2022.
3. Key players in bullying networks, with Ana Mauleon, Simon Schopohl and Vincent Vannetelbosch, May 2022.
4. Matching markets with middlemen under transferable utility, with Eric Bahel and Tamás Solymosi, September 2021. (Accepted to published in *Annals of Operations Research*.)

#### TEACHING EXPERIENCE

##### **Lecturer, University of Barcelona:**

Non-linear programming and network flows	Fall 2022-...
Joint BA in Statistics together with Polytechnic University of Catalonia ( <b>Taught at the UPC</b> ).	
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
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GRANTS	<b>“Areas Emergents” Research Grant of UB</b>	July 2022–Dec 2023
	co-PI of AS017672 Research Project (13.5K EUR)	
	<b>Barcelona Economic Analysis Team</b>	June 2022
	Travel Grant (1K EUR)	
	<b>Hungarian National Research, Development, and Innovation Office</b>	2018–2021
	PD-128348 Individual Project (15.6 M HUF)	
	<b>Cost Action European Network for Game Theory (CA 16228)</b>	2019
	Short Term Scientific Mission Grant (1.5K EUR)	
	<b>Cost Action European Network for Game Theory (CA 16228)</b>	2019
	Short Term Scientific Mission Grant (1.2K EUR)	
	<b>Game Theory and Assignment Markets Research Group Grant</b>	2014–2017
	<b>Summer School on Network Theory-CIGNE 2017, Roscoff, France</b>	2017
	<b>Cost Action IC1205 Short Term Scientific Mission Grant</b>	2015
	<b>International Workshop on Game Theory and Economic Applications</b>	2014
	São Paulo, Brazil	
	<b>Enrolment grant for Advanced Mathematics Master</b>	2010
	Universitat Autònoma de Barcelona	
PARTICIPATION IN RESEARCH PROJECTS	<b>Networks in societies: information, elections, and financial markets”</b>	July 2022–Dec 2023
	University of Barcelona “Areas Emergents” Research Grants	
	<i>As co-PI with Oriol Tejada (PI)</i>	
	<b>Social and economic network formation under limited farsightedness: theory and applications</b>	Sep 2019–Feb 2020
	the Belgian French speaking community ARC project 15/20-072	
	<i>PI: Ana Mauleon and Vincent Vannetelbosch</i>	
	<b>Game Theory Working Group</b>	Feb 2019–
	Spanish Society of Statistics and Operations Research (SEIO)	
	<i>PI: Encarnación Algaba</i>	
	<b>Heuristic problem solving in matching mechanisms</b>	Sep 2017–Feb 2020
MEMBER OF PH.D. COMMITTEES	Hungarian Academy of Sciences	
	<i>PI: Péter Biró</i>	
	<b>Game theory and assignment markets</b>	2014–2017
	Consolidated research group (2014SGR40) by Generalitat de Catalunya	
	<i>PI: Marina Núñez</i>	
	<b>Pierre de Callataÿ</b> , UCLouvain, Belgium.	
	Scheduled: 2023.	
	<b>Saadia El Obadi</b> , Universitat de Lleida, Spain.	October 2019.
	<i>“Generalizations of assignment games and information market games”.</i>	
PROFESSIONAL ACTIVITIES	<b>Program Committee:</b>	
	The 11th Conference on Economic Design 2019 (Budapest, Hungary).	
	<b>Organizing Committee:</b>	
	<b>2022:</b> University of Barcelona Game Theory Workshop.	
	<b>2021:</b> The V SEIO Course on Game Theory: Algorithmic and game theoretic aspects of matching markets (Barcelona, Spain).	
	<b>2019:</b> 11th Conference on Economic Design 2019 (Budapest, Hungary).	
	<b>Referee for:</b>	
	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	<p><b>2022:</b> HEC-Liège (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.</p> <p><b>2021:</b> International Conference on Social Choice and Voting Theory, PPE at Virginia Tech (online).</p> <p><b>2019:</b> 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).</p> <p><b>2018:</b> the 14th Meeting of the SSCW (Seoul, South Korea), SEIO 2018 (Oviedo, Spain), University of Barcelona.</p> <p><b>2017:</b> 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).</p> <p><b>2016:</b> GAMES 2016 (Maastricht, the Netherlands), SING12 (Odense, Denmark), the 13th Meeting of the SSCW (Lund, Sweden), Pennsylvania Economic Theory Conference 2016, <i>Poster session</i> (State College, PA), CMU-Pitt Economic Theory Seminar (Pittsburgh, PA).</p> <p><b>2015:</b> 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).</p> <p><b>2014:</b> International Workshop on Game Theory and Economic Applications <i>Poster session</i> (São Paulo, Brazil), SING 10 (Krakow, Poland).</p>
PARTICIPATIONS	<p><b>2019:</b> Advances in Stochastic Games Workshop (Budapest, Hungary).</p> <p><b>2017:</b> Summer School on Network Theory-CIGNE 2017 (Roscoff, France).</p> <p><b>2014:</b> COST Action IC1205 Meeting (Maastricht, the Netherlands).</p> <p><b>2013:</b> COST Action IC1205 Meeting (Barcelona, Spain), Summer School on Matching Problems, Markets and Mechanisms by COST Action IC1205 (Budapest, Hungary), SING 9 (Vigo, Spain).</p> <p><b>2012:</b> Games 2012 (Istanbul, Turkey).</p>
ACCREDITATIONS	<p><b>One ‘sexenio’ (six-year period research recognition)</b> for 2016-2021 by the Catalan University Quality Assurance Agency (AQU).</p> <p><b>Profesor contratado doctor</b> by the Spanish National Agency for Quality Assessment and Accreditation (ANECA).</p> <p><b>Profesor ayudante doctor</b> by the Spanish National Agency for Quality Assessment and Accreditation (ANECA).</p> <p><b>Professor lector</b> by the Catalan University Quality Assurance Agency (AQU).</p>
LANGUAGES	Turkish (native), English (fluent), Spanish (fluent)
REFERENCES	

**Prof. Péter Biró**  
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*Last update: November 29, 2022*