

# Alexandros Gelastopoulos

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Born: October 8, 1987—Thessaloniki, Greece

Nationality: Greek

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## Current position

*Assistant Professor*, Department of Business & Management, University of Southern Denmark.  
Started: September 2023.

## Previous positions

- 2022-2023 *Postdoctoral Researcher (part-time)*, Department of Economics and Business, Pompeu Fabra University. PI: Gaël Le Mens.
- 2022-2023 *Affiliated Researcher*, Barcelona School of Economics.
- 2019-2023 *Postdoctoral Researcher*, Department of Business & Management, University of Southern Denmark. PI: Pantelis P. Analytis.

## Education

- 2019 **PhD in Mathematics**, Boston University  
Thesis: Synchronization properties and functional implications of parietal beta<sub>1</sub> rhythm  
Supervisor: Nancy Kopell
- 2013 **MSc in Mathematics**, Jacobs University Bremen  
Thesis: Sampling in Shift Invariant Spaces  
Supervisor: Götz Pfander
- 2011 **Dipl. in Electrical and Computer Engineering**, Aristotle University of Thessaloniki  
Thesis: Topological Methods in Combinatorics  
Supervisor: Efthimios Kappos

## Honors & awards

- 2023 European Commission's Seal of Excellence for outstanding MSCA research proposal
- 2013 Boston University Dean's Fellowship
- 2013 Jacobs University Bremen President's list award (GPA based)
- 2008 Rotary Club of Thessaloniki award (GPA based)
- 2006, 2007 State Scholarships Foundation scholarship (GPA based)
- 2006 State Scholarships Foundation award (GPA based)
- 2005 Hellenic Physical Society 7th Prize in Panhellenic Student Physics Competition
- 2002, 2003, 2005 Hellenic Mathematical Association Honourable Mention for distinction in Panhellenic Student Mathematics Competition

## Publications & work in progress

### PEER-REVIEWED JOURNAL PAPERS

- 2023 P. P. Analytis, **A. Gelastopoulos** and H. Stojic, "Ranking-based rich-get-richer processes". *Annals of Applied Probability*. Vol. 33 Issue 6A, pp 4366-4394.
- 2020 **A. Gelastopoulos** and N. Kopell, "Interactions of multiple rhythms in a biophysical network of neurons". *The Journal of Mathematical Neuroscience* Vol. 10 Issue 1, pp. 1-43.
- 2019 **A. Gelastopoulos**, M. Whittington and N. Kopell, "Parietal low beta rhythm provides a dynamical substrate for a working memory buffer". *Proceedings of the National Academy of Sciences* Vol. 116 Issue 33, pp. 16613-16620.
- 2019 P. P. Analytis, C. M. Wu and **A. Gelastopoulos**, "Make-or-break: chasing risky goals or settling for safe rewards?". *Cognitive Science* Vol. 43 Issue 7, e12743.

### WORKING PAPERS

- 2023 **A. Gelastopoulos**, L. Sage and A. van de Rijt, "Inferring cumulative advantage from longitudinal records". *arXiv preprint 2310.01096*.
- 2022 P. P. Analytis, F. Cerigioni, **A. Gelastopoulos** and H. Stojic, "Sequential choice and self-reinforcing rankings". *Universitat Pompeu Fabra Economics Working Papers, No. 1819*.

### IN PREPARATION

- A. Gelastopoulos**, P. P. Analytis, G. Le Mens and A. van de Rijt "Ranking-based social influence produces lock-in". *Under review at Management Science*.
- A. Gelastopoulos**, P. P. Analytis and G. Le Mens, "A universal upper bound for critical mass size in the presence of network effects".
- M. A. Keijzer, P. P. Analytis, **A. Gelastopoulos**, A. Jochim, P. Steiglechner and L. Steinbrinker, "Social influence across fields, paradigms and species"
- A. Gelastopoulos** and A. Kehagias, "The dynamics of heterosexual liking and matching in online dating apps".
- Y. Kareev, J. Avrahami, G. Le Mens and **A. Gelastopoulos**, "Time Course of Repeated Choice: The Effect of Experience on Choosers' Well-Being".
- P. P. Analytis, H. Stojic, **A. Gelastopoulos** and M. Moussaid, "The collective dynamics of sequential search".

### PEER-REVIEWED CONFERENCE PROCEEDINGS

- 2017 P. P. Analytis, H. Stojic, **A. Gelastopoulos** and M. Moussaid, "Diversity of preferences can increase collective welfare in sequential exploration problems". *Collective Intelligence*, 2017.

### NON-PEER REVIEWED PAPERS

- 2009 A. Kehagias, G. Hollinger, and **A. Gelastopoulos**, Searching the nodes of a graph: theory and algorithms. *arXiv preprint 0905.3359*.

## Oral and Poster Presentations

### CONFERENCE PRESENTATIONS AND INVITED TALKS

- July 2023 Interdisciplinary Workshop on Opinion Dynamics and Collective Decision, Constructor University, Bremen, Germany.

- June 2023 Annual Meeting of the International Network of Analytical Sociology, Princeton University, Princeton, New Jersey, USA.
- June 2023 Computational Cognitive Science Laboratory, Princeton University, Princeton, New Jersey, USA.
- December 2022 2nd Nordic Network for the Science of Science workshop, Athens, Greece.
- December 2022 Social Dynamics Laboratory, Cornell University (online).
- October 2022 Conference on Complex Systems, Palma de Mallorca, Spain.
- October 2022 Decision science seminar, University of the Balearic Islands, Palma de Mallorca, Spain.
- June 2022 Conference on Research on Economic Theory and Econometrics, Tinos, Greece.
- March 2022 Internal Microeconomics seminar, Pompeu Fabra University, Barcelona, Spain.
- October 2021 T. Joachims lab seminar, Cornell University (online).
- September 2021 Santa Fe Institute seminar (online).
- November 2019 Management and Behavioural Research Seminar, Pompeu Fabra University, Barcelona, Spain.
- May 2019 Brown/BU/UMass Dynamics & PDE Seminar, Boston University, Boston MA, USA.
- June 2018 New Trends in Mathematical Biology, Centre for Mathematical Research, Barcelona, Spain.
- Feb 2018 Probability and Statistics seminar, Boston University, Boston MA, USA
- April 2017 Cognitive Rhythms Collaborative Retreat, Boston University, Boston MA, USA.
- June 2013 Real and Harmonic Analysis seminar, University of Buenos Aires, Buenos Aires, Argentina

#### POSTER PRESENTATIONS

- August 2023 Theoretical Organizational Models, Harvard Business School, Boston, MA, USA.
- July 2023 9th International Conference on Computational Social Science, Copenhagen, Denmark.
- June 2022 Bounded Rationality in Choice Conference, Prague, Czech Republic.
- July 2019 Aegina Summer School, Norms & Biases in Social Interactions, Aegina, Greece.
- November 2017 SfN annual meeting Neuroscience, Washington DC, USA.
- January 2017 Mathematics of Memory Winter School, Center for Mathematical Research, Barcelona, Spain

## Academic visits

- February 2023 **European University Institute** Department of Social and Political Sciences, hosted by Arnout van de Rijt. Florence, Italy.
- Jan-March 2022 **Pompeu Fabra University** Research stay at the Department of Economics and Business, hosted by Francesco Cerigioni. Barcelona, Spain.
- July-Oct 2021 **Center for Genomic Regulation** Research stay at the Department of Bioinformatics and Genomics, hosted by Donate Weghorn. Barcelona, Spain.
- November 2019 **Pompeu Fabra University** Department of Economics and Business, hosted by Gaël Le Mens. Barcelona, Spain.
- April 2017 **Cornell University** Department of Computer Science, hosted by Pantelis Analytis. Ithaca, New York, USA.
- December 2014 **University of Tennessee** NIMBioS, hosted by Xiaopeng Zhao, Knoxville, Tennessee, USA.
- May-June 2013 **University of Buenos Aires** Research stay at the Department of Mathematics, hosted by Carlos Cabrelli and Ursula Molter, Buenos Aires, Argentina.
- Feb-June 2010 **Autonomous University of Madrid** ERASMUS study-abroad program, Madrid, Spain.

## Teaching

#### INSTRUCTOR

- Spring 2023 Game Theory, *Pompeu Fabra University*
- Summer 2017 Probability, *Boston University*

## TEACHING ASSISTANT

Fall 2018	Elementary Statistics, <i>Boston University</i>
Fall 2016	Introduction to Analysis 1, Calculus 1 for Social Sciences, <i>Boston University</i>
Spring 2013	Functional Analysis, Applied Differential Equations, <i>Jacobs University Bremen</i>
Fall 2012	Linear Algebra 1, Perspectives of Mathematics 1, <i>Jacobs University Bremen</i>
Spring 2012	Analysis 2, <i>Jacobs University Bremen</i>
Fall 2011	Analysis 1, <i>Jacobs University Bremen</i>

## GUEST LECTURES

July 2023	Modeling and detecting cumulative advantage in the social sciences, <i>BIGSSS Computational Social Science Summer School on Democratic Debate, Constructor University, Bremen, Germany</i>
May 2022	Architecture and information processing in biological neural networks, <i>M.Sc. in Data Science Program, University of Southern Denmark, Odense, Denmark.</i>
June 2021	The mathematics of juggling, <i>1st Neo-meta-cabaret artists convention, Libertatia social center, Thessaloniki, Greece.</i>
April 2021	Principles of Biological Neural Networks, <i>M.Sc. in Data Science Program, University of Southern Denmark, Odense, Denmark.</i>
April 2009	Gambling, Circuits and Facebook (with A. Kehagias and R. Grigoriou), <i>3rd Electrical and Computer Engineering Student Conference, Aristotle University of Thessaloniki, Thessaloniki, Greece</i>

## Service

July 2023	Project leader at BIGSSS Computational Social Science Summer School on Democratic Debate <i>Constructor University, Bremen, Germany.</i>
November 2020	Judge for the student modeling competition SCUDEM V, <i>Online.</i>
Spring 2019	Mentor for the Directed Reading Program for undergraduate students, <i>Boston University, Boston MA, USA.</i>
Fall 2012	Incoming students mentor, <i>Jacobs University Bremen, Bremen, Germany.</i>
March 2012	Jury member for the 22nd Vojtěch Jarník International Mathematical Competition, <i>Ostrava, Czech Republik.</i>
2010-2011	Volunteer at the student exchange organization for practical experience IAESTE, local chapter of Aristotle University of Thessaloniki. President of the local chapter during Spring 2011, <i>Thessaloniki, Greece.</i>

## IT Skills

Python, MATLAB, C/C++, R, Latex, Linux

## Languages

Fluency: Greek (mother tongue), English, Spanish

Semi-fluency: Portuguese, Catalan

Basic knowledge: German

## Referees

**Pantelis Analytis**, Danish Institute for Advanced Studies, Campusvej 55, 5230 Odense, Denmark,  
e-mail: [pantelis@sam.sdu.dk](mailto:pantelis@sam.sdu.dk)

**Gaël Le Mens**, Department of Economics and Business, Pompeu Fabra University, Ramon Trias Fargas, 25-27 08005 Barcelona, phone: +34 93 542 2717, [gael.le-mens@upf.edu](mailto:gael.le-mens@upf.edu)

**Arnout van de Rijt**, Department of Political and Social Sciences, European University Institute, Via dei Roccettini 9, I-50014 San Domenico di Fiesole, phone:+39 055 4685 212, [arnout.vanderijt@eui.eu](mailto:arnout.vanderijt@eui.eu)

**Nancy Kopell**, Department of Mathematics and Statistics, Boston University, 111 Cummington Street, Boston, MA 02215, USA, phone: +16173535210, e-mail: [nk@bu.edu](mailto:nk@bu.edu)

**Fabrizio Germano**, Department of Economics and Business, Pompeu Fabra University, Ramon Trias Fargas, 25-27 08005 Barcelona, phone: +34 93 542 2729, [fabrizio.germano@upf.edu](mailto:fabrizio.germano@upf.edu)