

Alexandros Gelastopoulos

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Current positions

Research Fellow at Institute for Advanced Study in Toulouse.
Started: September 2024

Affiliated Researcher at Department of Business & Management, University of Southern Denmark.

Previous positions

- 2023-2024 *Assistant Professor*, Department of Business & Management, University of Southern Denmark.
- 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 beta₁ 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, 2024 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

- 2024 **A. Gelastopoulos** and G. Le Mens "The disjunction effect does not violate the Law of Total Probability". *PsyArXiv preprint 2xzf4*.
- 2024 **A. Gelastopoulos**, P. P. Analytis, G. Le Mens and A. van de Rijt "The marginal majority effect: when social influence produces lock-in". *arXiv preprint 2408.03952*
- 2023 **A. Gelastopoulos**, L. Sage and A. van de Rijt, "Inferring cumulative advantage from longitudinal records". *R&R at PNAS, 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

M. A. Keijzer, P. P. Analytis, **A. Gelastopoulos**, A. Jochim, P. Steiglechner and L. Steinbrinker, "Social influence across fields, paradigms and species"

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.

Oral and Poster Presentations

CONFERENCE PRESENTATIONS AND INVITED TALKS

- July 2024 57th Annual Meeting of the Society for Mathematical Psychology, Tilburg University.
- June 2024 Theoretical Organization Models, Paris, France.
- May 2024 16th Annual Meeting of the International Network of Analytical Sociology, Leipzig University.
- February 2024 Santa Fe Institute.
- February 2024 59th Edwards Bayesian Research Conference, California State University Fullerton.
- February 2024 Computational Cognitive Science Laboratory, University of California, Berkeley.
- February 2024 Computational Culture Lab, Stanford University & University of California, Berkeley.
- July 2023 Interdisciplinary Workshop on Opinion Dynamics and Collective Decision, Constructor University.

June 2023 15th Annual Meeting of the International Network of Analytical Sociology, Princeton University.
 June 2023 Computational Cognitive Science Laboratory, Princeton University.
 December 2022 2nd Nordic Network for the Science of Science workshop, Athens, Greece.
 December 2022 Social Dynamics Laboratory, Cornell University.
 October 2022 Conference on Complex Systems, Palma de Mallorca, Spain.
 October 2022 Decision Science seminar, University of the Balearic Islands.
 June 2022 Conference on Research on Economic Theory and Econometrics, Tinos, Greece.
 March 2022 Internal Microeconomics seminar, Pompeu Fabra University.
 October 2021 T. Joachims lab seminar, Cornell University.
 September 2021 Santa Fe Institute.
 November 2019 Management and Behavioural Research Seminar, Pompeu Fabra University.
 May 2019 Brown/BU/UMass Dynamics & PDE Seminar, Boston University.
 June 2018 New Trends in Mathematical Biology, Centre for Mathematical Research, Barcelona, Spain.
 Feb 2018 Probability and Statistics seminar, Boston University.
 April 2017 Cognitive Rhythms Collaborative Retreat, Boston University.
 June 2013 Real and Harmonic Analysis seminar, University of Buenos Aires.

POSTER PRESENTATIONS

May 2024 35th Annual Human Behavior and Evolution Society Conference, Aarhus University, Denmark.
 August 2023 Theoretical Organization 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 (longer than one week)

February 2024 **Santa Fe Institute**, hosted by Mirta Galesic.
 February 2024 **University of California, Berkeley**, Haas School of Business, hosted by Douglas Guilbeault.
 February 2023 **European University Institute** Department of Social and Political Sciences, hosted by Arnout van de Rijt.
 Jan-March 2022 **Pompeu Fabra University** Department of Economics and Business, hosted by Francesco Cerignoni.
 July-Oct 2021 **Center for Genomic Regulation** Department of Bioinformatics and Genomics, hosted by Donat Waghorn.
 November 2019 **Pompeu Fabra University** Department of Economics and Business, hosted by Gaël Le Mens.
 April 2017 **Cornell University** Department of Computer Science, hosted by Pantelis Analytis.
 December 2014 **University of Tennessee** NIMBioS, hosted by Xiaopeng Zhao.
 May-June 2013 **University of Buenos Aires** Department of Mathematics, hosted by Carlos Cabrelli and Ursula Molter.

Teaching

INSTRUCTOR

Spring 2023 Introduction to 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</i> .
May 2022	Architecture and information processing in biological neural networks, <i>M.Sc. in Data Science Program, University of Southern 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</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</i> .

Service

July 2023	Project leader at BIGSSS Computational Social Science Summer School on Democratic Debate, <i>Constructor University</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</i> .
Fall 2012	Incoming students mentor, <i>Jacobs University Bremen</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.

IT Skills

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

Languages

Fluency: Greek (mother tongue), English, Spanish
Semi-fluency: Portuguese, Catalan
Basic knowledge: French, German

Referees

Pantelis Analytis, Danish Institute for Advanced Studies, Campusvej 55, 5230 Odense, Denmark, e-mail: 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

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

Nancy Kopell, Department of Mathematics and Statistics, Boston University, 111 Cummington Street, Boston, MA 02215, USA, phone: +16173535210, e-mail: 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