

Education

- 2009–2014 **PhD Operations Management**, Stern School of Business, New York University
2005–2009 **BSc Mathematics**, School of Sciences, University of Athens. **GPA: 9.56/10, Rank: 1st**

Academic Positions

- 2016–Present **Assistant Professor of Management Science**
University of Miami, Miami Herbert Business School
2015–2016 **Research Assistant Professor of Management Science**
University of Miami, Miami Herbert Business School
2014–2015 **Visiting Assistant Professor of Management Science**
University of Miami, Miami Herbert Business School

○ Teaching Experience

- (mean overall evaluation of the instructor across all sections in parentheses)
- MAS 342 - Introduction to Optimization and Decision Making, 8 sections (4.71/5).
 - MAS 442 - Stochastic Models in Operations Research, 4 sections (4.73/5).
 - MAS 452 - Systems Analysis, 1 section (5/5).
 - MAS 632 - Management Science Models for Decision Making, 11 sections (4.55/5).

Research Interests and Methodologies

Stochastic Models, Stochastic Calculus, Applied Probability, Dynamic Programming, Queueing Theory, Discrete Optimization, Predictive Models, Service Operations, Healthcare Operations.

Publications

- Zacharias, C., N. Liu and M.A. Begen. 2022. Dynamic Inter-day and Intra-day Scheduling. *Operations Research* forthcoming.
- Zacharias, C. and T. Yunes. 2020. Multimodularity in the Stochastic Appointment Scheduling Problem with Discrete Arrival Epochs. *Management Science* **66**(2) 744–763. “POMS College of Healthcare Operations Best Paper Competition”, runner-up.
- Zacharias, C. and M. Armony. 2017. Joint Panel Sizing and Appointment Scheduling in Outpatient Care. *Management Science* **63**(11) 3978–3997.
- Zacharias, C. and M. Pinedo. 2017. Managing Customer Arrivals in Service Systems with Multiple Identical Servers. *Manufacturing & Service Operations Management* **19**(4) 639–656. “INFORMS Service Science Section Best Paper Award”, first prize.
- Pelechrinis, K., C. Zacharias, M. Kokkodis and T. Lappas. 2017. Economic Impact and Policy Implications from Urban Shared Transportation: The Case of Pittsburgh’s Shared Bike System. *PLoS ONE*. **12**(8) e0184092.
- Pinedo, M., C. Zacharias and N. Zhu. 2015. Scheduling in the Service Industries: An Overview. *Journal of Systems Science and Systems Engineering* **24**(1) 1–48.
- Zacharias, C. and M. Pinedo. 2014. Appointment Scheduling with No-Shows and Overbooking. *Production and Operations Management* **23**(5) 788–801.

Working Papers

- Zacharias, C. 2022. Convexity in Transient Queues and Implications on Dynamic Appointment Scheduling. Manuscript available.
- Kamalahmadi M., C. Zacharias and H. Gitlow. 2022. Impact of Telehealth on Appointment Adherence and Implications in Outpatient Scheduling. Manuscript available.

Work-in-progress

- Data-Driven Submodular Set-function Optimization: Theory and Applications in Assortment Planning and Recommender Systems, with Daniel McGibney and Jigar Patel.
- Data-Driven Robust Optimization for Scheduling Non-punctual Patients, with Rui Gao.
- Stochastic Comparisons and Monotonicity Properties for Queues with Appointment-driven Arrivals in Transient State.

Academic Service

- **Journal reviewer:** Management Science, Operations Research, Production and Operations Management, Manufacturing & Service Operations Management, Decision Sciences, INFORMS Journal on Computing, European Journal of Operational Research, IIE Transactions, OMEGA, Service Science, IIE Transactions on Healthcare Systems Engineering.

Selected Honors and Awards

- 2022 **University of Miami Provost Research Award**, peer-reviewed research proposal award
- 2022 **Deloitte Institute for Research & Practice in Analytics**, award for research in Analytics
- 2018 **POMS College of Healthcare Operations Best Paper Competition**, runner-up
- 2014 **INFORMS Service Science Section Best Paper Award**, first prize
- 2014 **Alexander S. Onassis Foundation**, graduate scholarship
- 2013 **Panpaphian Association of America**, graduate scholarship
- 2009-2014 **NYU Stern School of Business**, doctoral fellowship
- 2005-2009 **Greek State Scholarships Foundation**, awards for excellent academic performance
- 2005-2009 **Greek State Scholarships Foundation**, undergraduate scholarship
- 2004 **45th International Mathematical Olympiad**, member of the Cypriot team
- 2003 **Cypriot Physicists Society**, first prize in regional physics competition
- 2003 **Cypriot Mathematical Society**, gold medal in national mathematics competition
- 2003 **Cypriot Mathematical Society**, first prize in regional mathematics competition

Invited and/or Refereed Research Presentations

- EURO Conference 2022, Aalto University, Espoo, Finland.
- M&SOM 2022, Technical University of Munich, Munich, Germany.
- POMS Annual Conference 2022, virtual/online.
- INFORMS Annual Meeting 2021, Anaheim, CA.
- University of Texas at Austin, McCombs School of Business, Austin, TX, Oct 2021.
- INFORMS Annual Meeting 2020, virtual/online.
- INFORMS Healthcare 2019, MIT Sloan School of Management, Cambridge, MA.
- INFORMS Annual Meeting 2018, Phoenix, AZ.
- College of Engineering Research Day 2018, University of Miami, Coral Gables, FL.
- POMS Annual Conference 2018, Houston, TX. Session chair.
- Feb 2018 Faculty Colloquium, University of Miami Business School, Coral Gables, FL.
- INFORMS Annual Meeting 2017, Houston, TX.
- INFORMS Healthcare 2017, Rotterdam, Netherlands.
- POMS International Conference 2017, Tel Aviv, Israel.
- POMS Annual Conference 2017, Seattle, WA.
- INFORMS Annual Meeting 2016, Nashville, TN.
- POMS Annual Conference 2016, Orlando, FL.
- INFORMS Annual Meeting 2015, Philadelphia, PA.
- Rutgers Applied Probability Conference 2015, New Brunswick, NJ.
- POMS Annual Conference 2015, Washington, DC.
- INFORMS Annual Meeting 2014, San Francisco, CA.
- POMS Annual Conference 2014, Atlanta, GA.
- INFORMS Annual Meeting 2013, Minneapolis, MN.
- M&SOM 2013, INSEAD, Fointainebleau, France. Session chair.
- INFORMS Healthcare 2013, Chicago, IL.
- INFORMS Annual Meeting 2012, Phoenix, AZ.
- M&SOM 2012, Columbia University, New York, NY.
- INFORMS Annual Meeting 2011, Charlotte, NC.
- INFORMS Healthcare 2011, Montreal, Canada.

Military Service

- 2003-2005 **Cyprus National Guard**, honorably discharged as Second-Lieutenant

Miscellaneous

- **Computer skills:** MATLAB, Python, \LaTeX .
- **Languages:** Greek (native), English (fluent), Spanish (beginner).
- **Personal interests:** guitar, marathons, tennis, karate (2nd DAN), know thyself.