

Dr. Andreas Robotis

Faculty of Decision Sciences

Alba Graduate School of Business at The American College of Greece.

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Personal Info

Born 1970 (Lefkada Greece), Greek Citizen.

Languages: English (C2), French (B1)

Education

- **Doctor of Philosophy** (06/2005). INSEAD Ph.D. program in Operations and Technology Management (Research in Closed Loop Supply Chains and Installed Base Management - Advisor: Luk N. Van Wassenhove). Fontainebleau, France (AACSB accredited Doctorate).
- **MSc in Electrical Engineering** (06/1997), Samueli School of Engineering. University of California at Los Angeles (UCLA). Los Angeles, California. Thesis topic: *Autonomous Driving Vehicle Highway Systems (In cooperation with University of California Berkeley)*. Study under full scholarship. Research Assistant at the Integrated Circuits Lab.
- **MSc in Mechanical Engineering** (06/1995), Viterbi School of Engineering. University of Southern California (USC). Los Angeles, California. Thesis topic: *Satellite Antenna Design*. Study under full scholarship. Research Assistant at the Control Systems Laboratory.
- **Diploma in Mechanical Engineering** (1994) National Technical University of Athens. School of Mechanical Engineering. Graduated at top 5% of the class.
- **Studies in Music Performance** (1990-1994). Athens Conservatory, Bb Clarinet. Harmony and Conducting. Member of Lefkada Philharmonic Society.

Current Role and Position

- **Faculty of Decision Sciences.** Alba Graduate School of Business, The American College of Greece. Program Lead: Data Science.
- **Area Lead: Data Science and Decision Research:** Responsible for the development of executive and MSc courses in Data Science for business.
- **Academic Director of the Double degree MSc in Supply Chain Management** (09/2018) Host and Coordinator for the double degree program in International Business with specialisation in Supply Chain Management, cooperation between ALBA and Kedge Business School (France).

Visiting Posts / Fellowships

- **Visiting Professor** – Indian School of Business, Hyderabad, India. (2011 -) Teaching in Sustainable Manufacturing & Operations, Data Analytics.

Previous Posts

- **Assistant Professor in Operations Management & Information Technology** (2007– 2011), HEC Paris. Taught subjects in Operations Management (Grande Ecole Programme), Databases, Statistics and Stochastics (PhD Program).
- **Post-Doctoral Fellow-Lecturer, Management Science** (2005-2007). Desautels School of Business, McGill University, Montreal Canada. Taught subjects in Operations Management (undergraduate).
- **Chief Technology Officer (CTO) – MusicID.com** (1997-2000). Start-up company established in Los Angeles, CA. Led the development of signal processing technology for identifying music tracks broadcasted over radio stations. The technology was sold to other stakeholders and is now an iPhone app available from Appstore (Musicid).

Academic Service

- Responsible for estimating and reporting the Green House Gas campus emissions at the AASHE (Association of Advancement of Sustainability in Higher Education) under the STARS (Sustainability Tracking and Rating System) protocol. The American College of Greece.
- Member of various recruitment panels for entry in MSc programs (2014-).
- Relationship manager for field study projects in Data Science and Analytics (2017-).
- Research Fellow: Research, Technology & Innovation Network (RTIN), The American College of Greece.

Academic Impact and Bibliometrics (June 2018)

- **Scopus:** 7 papers, h-index: 4
- **Google Scholar**¹: 8 papers, h-index: 6, i-10 index: 5, 277 citations

¹ <https://scholar.google.com/citations?user=tGt-N2cAAAAJ&hl=en&oi=ao>

Work with Companies/Organizations (Consulting)

- **Generali Insurance.** Joint work in modeling customer satisfaction across the group of insurance products (Exclusive access to data across the group).
- **Qatar Petroleum.** Research in LNG capacity utilization (Submitted output of this project to Production & Operations Management).
- www.ticktakto.com. Psychological therapy on the go. Indian start-up. Head of analytics and psychometrics. Responsible of Web based real-time dashboard to provide evidence-based insights into mental health of population at district level for entire India to aid decision making of response teams in the wake of COVID19 lockdowns.

Software Development Experience (Professional and Teaching)

R: Tidyverse, Textmining (qdap, LDA), SVM.

Python: Pandas, Tensorflow, Pytorch.

Matlab: Simulink.

SQL / Data Normalization.

Research Grants (Academic)

- Principal Investigator (2008). Variability Reduction in Continuous Processes. HEC Internal Research Grant. (EUR 40,000).

PhD Supervision / Examination

As Primary Supervisor

- **Dr Mahyar Eftekhari**, PhD Program in Management Science, HEC Paris.
First Placement: Assistant Professor of Supply Chain Management, W.P. Carey School of Business, Arizona State University, USA.

Refereeing and Service to the field

Journals (Selected)

Reviewer for: European Journal of Operational Research, Productions and Operations Management, International Journal of Production Economics, International Journal of Productions Research.

Membership in Organizations

INFORMS Operations Management Society, POMS, IEEE.

References (upon request)

- **Prof. Amitav Chakravarti.** Professor of Marketing, Department of Management, London School of Economics and Political Science (LSE). London, United Kingdom.
E-mail: a.chakravarti@lse.ac.uk
- **Prof. Christos Koulamas.** Ryder Eminent Scholar Chair in Management and Information Systems. Department of Information Systems and Business Analytics. College of Business, Florida International University. United States of America.
E-Mail: koulamas@fiu.edu
- **Prof. Shantanu Bhattacharya,** Professor of Operations Management and Associate Dean, Lee Kong Chian School of Business. Singapore Management University. Singapore.
Email: shantanub@smu.edu.sg
- **Dr. Nick Korfiatis**
Associate Professor of Business Analytics
Norwich School of Business, University of East Anglia. UK.
Email: N.Korfiatis@uea.ac.uk

Teaching Portfolio

- Operations Management (UG, MSc, MBA)
- Operations Strategy (MBA)
- Quantitative Methods for Business (MSc)
- Sustainable Manufacturing and Operations (MBA)
- Supply Chain Management (UG, MBA)
- Statistics using R (MSc)
- Artificial Intelligence for Business (MBA, R & Python codes provided to students)
- Big Data Analytics for Finance ((MSc, R & Python codes provided to students)
- Exploring, Visualizing and Analysing Data (MSc)
- Introduction to Databases (MSc)
- Stochastic Optimization (PhD)

Complete list of Publications

Note: CABS correspond to the classification on the UK Chartered Association of Business Schools Journal List. When no CABS classification exists for this journal the impact factor is reported.

1. Installed Base Management vs. Selling in Monopolistic and Competitive Environments (with Shantanu Bhattacharya, and Luk N. Van Wassenhove), *European Journal of Operational Research*, Vol. 273, Issue 2, September 2018. (**ABS 4**)
2. Procurement Policy for Humanitarian Development Programs (with Mahyar Eftekar, Andrea Masini, Andreas Robotis, Luk N. Van Wassenhove), *Production & Operations Management*, Vol. 23, June 2014. (**ABS 4, FT50**)
3. Life Cycle Pricing for Installed Base Management with Product Remanufacturing and Constrained Capacity (with Shantanu Bhattacharya and Luk N. Van Wassenhove), *Production & Operations Management*, Vol. 3, March-April 2012. (**ABS 4, FT50**)
4. Investing in Reusability of Products of Uncertain Quality: The Role of Inspection Capabilities, (Andreas Robotis, Tamer Boyaci and Vedat Verter), *International Journal of Production Economics*, Vol. 140, 2012. (**ABS 3**)
5. The Effect of Remanufacturing on Procurement Decisions for Resellers in Secondary Markets (Andreas Robotis, Shantanu Bhattacharya and Luk N. Van Wassenhove), *European Journal of Operational Research*, Vol. 163, 2005. (**ABS 4**)
6. Analyzing Variability in Continuous Processes (with Kumar Rajaram), *European Journal of Operational Research*, Vol. 156, 2004. (**ABS 4**)

Work in Progress / Papers under Review

Under Review (Draft Available upon Request)

1. Business Analytics in Sports Management: Current issues and future directions (with Christos Koulamas and Nikos Korfiatis). Invited submission (currently in revise & resubmit status) to the special issue “Business Analytics: Emerging Practice and Research Issues” at *Production & Operations Management*. (**ABS 4, FT50**)
2. Institutional distance and capacity utilization: evidence from the LNG industry (with George Batsakis, Andreas Robotis and Christos Koulamas). Under review: *International Business Review*. (**ABS 3**)
3. Performance Enhancement Evaluation in Football (soccer) Games by Feature Selection (with Christos Koulamas). Under review: *Journal of Sports Analytics*.

Under preparation

1. An algorithmic rare event forecasting algorithm for prevention and mitigation of operational disasters (with Ioannis Christou and Christos Koulamas).
2. Resource fluidity in humanitarian operations with global supply chain interdependencies: an empirical study of the aviation sector during the Covid-19 pandemic (with Triant Flouris and Christos Koulamas).
3. A systematic literature review- using text mining - on the impact of artificial intelligence, digitalization and machine learning on corporate strategy (with Zequn Cui, Xiaoqing Li, and Georgios Batsakis).
4. Contract types and environmental performance in supply chains: an empirical investigation (with George Batsakis).