

Kimon Drakopoulos

CONTACT INFORMATION	Data Sciences and Operations Department, Marshall School of Business, University of Southern California, 3670 Trousdale Pkwy, #BRI 303F Los Angeles, CA 90089	<i>E-mail:</i> drakopou@marshall.usc.edu <i>Homepage:</i> www.kimondrakopoulos.com
EDUCATION	Massachusetts Institute of Technology , Cambridge, MA PhD, Department of Electrical Engineering and Computer Science <i>Thesis: Analysis and Control of Contagion Processes on Networks</i> <i>Advisors:</i> Asuman Ozdaglar, John Tsitsiklis	2011 - 2016
	Massachusetts Institute of Technology , Cambridge, MA M.S., Department of Electrical Engineering and Computer Science <i>Thesis: Observational Learning with Finite Memory</i> <i>Advisors:</i> Asuman Ozdaglar, John Tsitsiklis	2009 - 2011
	National Technical University of Athens , Athens, Greece Diploma, School of Electrical and Computer Engineering <i>Thesis: Morphology, Active Contours on Graphs and Implementations with Graphcuts</i> <i>Advisors:</i> Petros Maragos	2004-2009
PROFESSIONAL EXPERIENCE	Robert R. Dockson Assistant Professor Marshall School of Business, University of Southern California	August 2021 - present
	Assistant Professor of Data Sciences and Operations Marshall School of Business, University of Southern California	June 2016 - present
	Chief Data Scientist, Greek COVID-19 Taskforce	July 2020 - November 2020
	Data Science and Operations Advisor to the Greek Prime Minister	May 2020 - January 2021
	LinkedIn Data Science , Mountainview, CA Data Science Intern	Spring-Summer 2012
RESEARCH INTERESTS	Network science, Epidemic Analytics, Information Design, Revenue Management, Social Networks, Game Theory, Social Learning, Applied Probability, Network Economics.	
PAPERS	Journal Publications All authors are alphabetical	
	1. H. Bastani, K. Drakopoulos, J. Vlachogiannis, C. Hadjicristodoulou, P. Lagiou, G. Magiorkinis, D. Paraskevis, S. Tsiodras “Interpretable Operations Research for High Stakes Decision-Making: Designing the Greek COVID-19 Testing System” - Accepted, Inform Journal on Applied Analytics (2022) - Winner of the Wagner Prize for Excellence in the Practice of Advanced Analytics and Operations Research.	
	2. K. Drakopoulos, A. Makhdoumi, “Providing Data Samples for Free”, - Accepted, Management Science (2022)	

3. H. Bastani, K. Drakopoulos, V. Gupta, J. Vlachogiannis, C. Hadjicristodoulou, P. Lagiou, G. Magiorkinis, D. Paraskevis, S. Tsiodras, “Efficient and targeted COVID-19 border testing via reinforcement learning” (first three authors contributed equally to the work),
 - Published in **Nature** (2021)
 - Winner of **Pierskalla** Best paper award.
 - Second place **PSOR** Best paper award.
4. K. Drakopoulos, R. Randhawa “Why Perfect Tests May Not be Worth Waiting For: Information as a Commodity”,
 - Published, **Management Science FastTrack** (2021)
5. G. Allon, K. Drakopoulos, V. Manshadi, “Information Inundation in Platforms and Implications”,
 - Published in **Operations Research** (2021)
6. K. Drakopoulos, S. Jain, R. Randhawa, “Persuading Customers to Buy Early: The Value of Personalized Information Provisioning”,
 - Published in **Management Science** (2021)
7. O. Candogan, K. Drakopoulos, “Optimal Signaling of Content Accuracy: Engagement vs. Misinformation”
 - Published in **Operations Research** (2020)
8. K. Drakopoulos, A. Ozdaglar, J.N. Tsitsiklis, “When is a network epidemic hard to eliminate?”,
 - Published in **Mathematics of Operations Research**. (2017)
9. C. Sakaridis, K. Drakopoulos, P. Maragos, “Theoretical Analysis of Active Contours on Graphs”,
 - Published in **SIAM Journal on Imaging Sciences** (2016)
10. K. Drakopoulos, A. Ozdaglar, J.N. Tsitsiklis, “An efficient curing policy for epidemics on graphs”,
 - Published in **IEEE Transactions on Network Science and Engineering** (2014).
11. K. Drakopoulos, A. Ozdaglar, J.N. Tsitsiklis, “On Learning With Finite Memory”,
 - Published in **IEEE Transactions on Information Theory** (2013).
12. K. Drakopoulos, P. Maragos, “Active Contours on Graphs: Multiscale Morphology and Graphcuts”,
 - Published in Published in **IEEE Journal of Selected Topics in Signal Processing** (2012).

Under Review

13. K. Drakopoulos, F. Zheng, “Network Effects in Contagion Processes: Identification and Control”, Major Revision, **Manufacturing & Service Operations Management (MSOM)**

Work in Progress

14. K. Drakopoulos, R. Randhawa “Strategic Experimentation on Networks”
15. D. Acemoglu, K. Drakopoulos, A. Ozdaglar, “Information Obfuscation in a game of strategic experimentation”

16. K. Drakopoulos, J. Mulvaney, R. Randhawa, “Persuasion with Communication”

Conference Proceedings

1. G. Allon, K. Drakopoulos, V. Manshadi, “Information Inundation in Platforms and Implications”, EC '19: Proceedings of the 2019 ACM Conference on Economics and Computation (2019)
2. K. Drakopoulos, A. Ozdaglar, J.N. Tsitsiklis, “A Lower Bound on the Performance of Dynamic Curing Policies for Epidemics on Graphs”, Proceedings of 54th IEEE Conference on Decision and Control (2015)
3. K. Drakopoulos, A. Ozdaglar, J.N. Tsitsiklis, “An Efficient Curing Policy for Epidemics on Graphs”, Proceedings of 53rd IEEE Conference on Decision and Control (2014)
4. K. Drakopoulos, A. Ozdaglar, J.N. Tsitsiklis, “Conditions for Learning in Generalized Tandem Networks”, Proceedings of 51st Annual Conference on Decision and Control (CDC) (2013)

INVITED TALKS

1. Operations and Management Science, **Tuck School of Business**, Dartmouth College, December 2021
2. IORA Seminar Series, **National University of Singapore**, October 2021
3. Integrated Political Crisis Response Mechanism (IPCR) Roundtable, **European Council**, October 2021
4. Decisions Risk and Operations/Industrial Engineering and Operations Research Seminar, **Columbia Business School**, March 2021
5. Operations Management, Sloan School of Management, **Massachusetts Institute of Technology**, March 2021
6. Laboratory for Information and Decision Systems, **Massachusetts Institute of Technology**, January 2021
7. 9th Webinar for NFPs for Preparedness, Response and Threat Detection, **European Center for Disease Control**, December 2020
8. Operations, Information and Decisions, **Wharton School of the University of Pennsylvania**, December 2020
9. Operations, Information & Technology, Graduate School of Business, **Stanford University**, December 2020
10. Information, Risk, & Operations Management, McCombs School of Business, **University of Texas at Austin**, September 2020
11. Operations Management, **Yale School of Management**, May 2020
12. Decision Sciences, **Fuqua School of Business**, January 2019
13. Operations Management, **The University of Chicago Booth School of Business**, 2018
14. **Yale Institute for Network Science**, February, 2016
15. Decision, Risk, and Operations Division, **Columbia Business School**, January 2016
16. Department of Industrial Systems and Engineering, **Viterbi School of Engineering**, University of Southern California, 2016
17. Technology and Operations, **University of Michigan’s Ross School of Business**, January 2016

18. Operations, **Yale School of Management**, January 2016
19. Operations Management, **Kellogg School of Management**, Northwestern University, December 2016
20. H. Milton Stewart School of Industrial Systems Engineering, **GeorgiaTech**, December 2016

AWARDS & HONORS

1. Winner of the 2021 **Daniel H. Wagner Prize** for Excellence in the Practice of Advanced Analytics and Operations Research.
2. Winner of the 2021 **Pierskalla** Best paper award of the Health Applications Society of INFORMS.
3. Second place INFORMS **Public Sector Operations Research** 2021 Best Paper Award.
4. Appointed as the **Robert R. Dockson Assistant Professor** in Business Administration (2021)
5. **Dr. Jagdish Sheth Award** for Impact of Research on Practice (2021)
6. **Nominated for National Academy of Sciences Award** (Academy of Athens) in Greece, for his contribution in the strategy against COVID-19 (2020)
7. **Data Sciences and Operations Teaching Award**, Marshall School of Business (2019)
8. **Best Professor of Summer 2015** for the Leaders for Global Operations, MIT (2015)
9. MIT Sloan **Outstanding TA award** (2014-2015)
10. One of the winners of the **LinkedIn Economic Graph Challenge** (2015)
11. Second place **Ernst Guillemin Award** for Best Electrical Engineering SM thesis (2011)
12. **Jacob's Presidential Fellowship** at MIT EECS (2009-2011)
13. **Silver Medal** for second place among all undergraduate students of the Electrical and Computer Engineering department of National Technical University of Athens (2009)
14. **State Scholarship Foundation** for excellence during all undergraduate academic years (2004-2009)
15. **President of the Hellenic Republic award** for ranking #1 among all high-school graduates based on country-wide standardized exams (2004)

SERVICE

Editorial

- Associate Editor for Management Science, Stochastic Models and Simulation Department
- Associate Editor for Operations Research, Stochastic Models Area
- Guest Editor for Special Section of SIAM Journal on Control and Optimization on Mathematical Modeling, Analysis, and Control of Epidemics

Reviewer

Econometrica, Operations Research, Management Science, Transactions on Network Science and Engineering, Transactions on Automatic Control, Transactions on Information Theory, Transactions on Control of Networked Systems, American Control Conference, International Conference on Decision and Control

Program committee

Sigmatrics 2018, EC 2018, EC 2019

TEACHING

USC Marshall School of Business

Los Angeles, CA

- *Instructor* *Spring 2017,2018,2020,2022 Fall 2019, 2020*
Class: BUAD 311 Operations Management *Average rating: 4.74/5*
Fundamentals of operations management. Skills needed to analyze, manage, and improve business processes. Topics include: process, capacity, service, and inventory management and optimization.

Sloan School of Management

Cambridge, MA

- *Instructor* *June 2015 - August 2015.*
Class: 15.066 System Optimization and Analysis for Manufacturing
Introduction to modeling, optimization and simulation, as it applies to the study and analysis of manufacturing systems for decision support.