DMITRY ANOKHIN

DOCTORAL CANDIDATE in DECISION SCIENCES, The GEORGE WASHINGTON UNIVERSITY, SCHOOL of BUSINESS

Research Interests:
- Applied Optimization - Health Care and Emergency Services
- Optimization with Decision-Dependent Uncertainty
- Energy Systems Decision Making
- Data-Driven Stochastic Optimization Models
- Convex Optimization
- Nonlinear Programming
- Power Distribution Systems

CONTACT

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EDUCATION

The George Washington University, USA 2018-2023 (expected)	Ph.D. in Decision Sciences
Kent State University, USA 2016	M.A. in Applied Mathematics
Voronezh State University, Russia 2013	M.S. in Applied Mathematics and Computer Science
Voronezh State University, Russia 2013	B.S. in Applied Mathematics and Computer Science

EXPERIENCE

The George Washington University, USA 2018 - Present	Research Assistant, Department of Decision Sciences
The George Washington University, USA 2022	Part-Time Lecturer, Department of Decision Sciences
California State University, Bakersfield, USA 2017 - 2018	Lecturer, Department of Mathematics
Kent State University, Ashtabula, USA 2016 - 2017	Lecturer, Department of Mathematical Sciences
Kent State University, Kent, USA 2015 - 2016	Instructor, Department of Management and Information Systems
Kent State University, Kent, USA 2013 - 2016	Instructor, Department of Mathematical Sciences
DMG Finance, Voronezh, Russia 2011 - 2013	Insurance and Credit Broker

REFEREED JOURNAL PUBLICATIONS

Mobility-As-A-Service for Resilience Delivery in Power Distribution Systems, by D. Anokhin, P. Dehghanian, M. A. Lejeune, and J. Su	**Production and Operations Management**, 30 (8), 2492-2521, 2021. https://doi.org/10.1111/poms.13393
Arbitrage Opportunity Estimation: The Case of the Cobb-Douglas Production Function, by S. Anokhin, M. Bushuev, V. Spitsin, E. Akerman, and D. Anokhin	**International Journal of Operational Research**, 2021. In press. https://doi.org/10.1504/IJOR.2021.10044099

On the Use of Mobile Power Sources in Distribution Networks under Endogenous Uncertainty, by J. Su, D. Anokhin, P. Dehghanian and M. A. Lejeune

IEEE Transactions on Control of Network Systems, 2023.

https://ieeexplore.ieee.org/document/10068296

MANUSCRIPTS IN PROGRESS

Survival Optimization Problems for Cardiac Arrests

Working paper With M. A. Lejeune

Aerial Resource Optimization Models for Wildfire Initial Attack Response under Endogenous Uncertainty

Working paper With M. A. Lejeune

PRESENTATIONS

2022 INFORMS Annual Meeting Indianapolis, IN, October, 16 – 19, 2022

Survival Optimization Problems For Emergency Health Care

INFORMS Conference on Security Arlington, VA, August 29 – 30, 2022

Survival Optimization Problems For Emergency Health Care

POMS 32nd Annual Conference Virtual, April 21 – 25, 2022

Survival Optimization Problems For Emergency Health Care

2021 INFORMS Annual Meeting Anaheim, CA, October 24-27, 2021

Survival Optimization Problems for Cardiac Arrests

POMS 31st Annual Conference Virtual, April 30 - May 5, 2021

Mobility-As-A-Service for Resilience Delivery in Power Distribution Systems

POMS 31st Annual Conference Virtual, April 30 - May 5, 2021

EMS Optimization Models with Survival Function

POMS 31st Annual Conference Virtual, April 30 - May 5, 2021

On the Use of Mobile Power Sources in Electric Distribution Grids Under Endogenous Uncertainty

2020 INFORMS Annual Meeting Virtual, November 8-11, 2020

Survival Function for Out-Of-Hospital Cardiac Arrest: Models with Endogenous Uncertainty

2020 INFORMS Annual Meeting Virtual, November 8-11, 2020

On the Use of Mobile Power Sources in Electric Distribution Grids Under Endogenous Uncertainty

SOCIETY MEMBERSHIPS

Production and Operations Management Society (POMS)

Institute for Operations Research and the Management Sciences (INFORMS)

PROFESSIONAL ACTIVITIES

Chaired Conference Sessions	National Health and Emergency Security Strategies, 2022 INFORMS Conference on Security
	Energy Systems Modeling, POMS 31st Annual Conference
	Analytics for Healthcare and Public Safety, 2020 INFORMS Annual Meeting
	Analytics for Public Needs and Safety, 2020 INFORMS Annual Meeting
Refereed for Journals	Annals of Operations Research
	International Journal of Production Economics
Other Activities	Student Volunteer, 2020 INFORMS Annual Meeting

COURSES TAUGHT

The George Washington University	Operations Management (MBA Course)
California State University	Introduction to Statistical Concepts and Methods (Undergraduate Course)
	Intermediate Algebra (Undergraduate Course)
	Developmental Mathematics (Undergraduate Course)
Kent State University	Fundamentals of Business Statistics (Undergraduate Course)
	Introductory Statistics (Undergraduate Course)
	Trigonometry (Undergraduate Course)
	Intuitive Calculus (Undergraduate Course)
	Algebra for Calculus Plus (Undergraduate Course)
	Algebra for Calculus (Undergraduate Course)
	Modeling Algebra (Undergraduate Course)
	Math Emporium (Undergraduate Course)

TA FOR THE COURSES

The George Washington University	Decision Making and Data Analysis (MBA Course)
	Operations Management (Undergraduate Course)
	Statistical Modeling Analysis (Undergraduate Course)

REFERENCES

Miguel Lejeune
(advisor)

Professor of Decision Sciences & Electrical and Computer Engineering
mlejeune@gwu.edu

Payman Dehghanian

Assistant Professor of Electrical and Computer Engineering
payman@gwu.edu

Srinivas Prasad

Associate Professor of Decision Sciences
prasad@gwu.edu

AWARDS

Chei-Min Paik Award for Excellence in Business Research, The George Washington University, 2022

ADDITIONAL INFORMATION

Languages

English, Russian

Computer skills

Microsoft Office, C++, Matlab, JMP, R, AMPL, CPLEX, GUROBI