

Ekaterina (Kate) Astashkina

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EMPLOYMENT

The Stephen M. Ross School of Business, University of Michigan, USA
Assistant Professor of Technology & Operations Jul 2019 - present
(off tenure clock in AY 2019-2020, 2022-2023, 2024-2025)

Sustainable Food Systems Initiative (SFSI), University of Michigan, USA
Faculty Affiliate Sep 2021 - present

RESEARCH INTERESTS

- (i) Sustainability in Operations Management: Food Systems, Food Waste, Sustainable Fashion, Environmental Impact
- (ii) Platform Operations and Incentive Design: Crowdfunding, Expert Voting, Grocery E-tailing, Food Sharing Platforms, Fashion Rental Subscriptions

EDUCATION

INSEAD, France
Ph.D. in Management (Technology & Operations) Jun 2019
M.Sc. in Management (Technology & Operations) Jun 2015
Dissertation Committee: E. Belavina, K. Girotra, A. Calmon, P. Chandon

Universität Bielefeld, Germany
Universitat Autde Barcelona (UAB-GSE), Spain
M.Sc. in Quantitative Economics (Joint Degree) Jul 2012

Moscow Institute of Physics and Technology, Russia
B.Sc. in Applied Mathematics and Physics Jun 2010
Minor: Computer Science, Linguistics

WORKING & PUBLISHED PAPERS

[1] Dynamic Contract Design in the Presence of Double Moral Hazard
with I. Duenyas (Michigan Ross) and F. Tian (HKU Business School)
Management Science, 2024

[2] All-Or-Nothing VS Keep-It-All: Comparing Campaign Designs in Rewards-Based Crowdfunding Platforms
with S. Marinesi (Wharton)
under 3rd round review at Management Science (after Major Revision decision)
selected for MSOM iFORM SIG presentation (2022)

[3] Privacy, Voting, and the Wisdom of Crowds
with R. Momot (Michigan Ross) and M. Salikhov (NES)
under 2nd round review at Operations Research (after Major Revision decision)

[4] The Environmental Impact of the Advent of Online Grocery Retailing

with E. Belavina (Cornell) and S. Marinesi (Wharton)
in prep. for 2nd round submission at Management Science (after Rej. & Resub. decision)
findings feat. in MBA Core TO course at Michigan Ross
selected for MSOM SCM SIG presentation (2021)

[5] A Disquieting Lack of Evidence for Disintermediation in a Home-Cleaning Platform

with R. Bray (Kellogg), R. Momot (Michigan Ross), and M. Salikhov (NES)
in prep. for submission at Marketing Science

[6] Profitability and Food Waste in Buffet Restaurants

with I. Duenyas (Michigan Ross) and Y. Hu (Michigan Ross)
in prep. for submission at Manufacturing & Service Operations Management

[7] Information Disclosure in Online Grocery: Profit and Food Waste Implications

with R. Anupindi (Michigan Ross), and F. Zhou (Michigan Ross)
working paper, available at SSRN

[8] Hyperlocal P2P Food Sharing: Estimating the Effect of the Presence of the Commercial Food Donation Channel

with M. Shunko (U Washington) and I. Wang (UIUC)
working paper

[9] The Impact of Variety on the Economic and Environmental Performance of a Fashion Rental Business Model

with V. Aggrawal (Georgetown) and A. Saez de Tejada Cuenca (IESE)
working paper

WORK IN PROGRESS

[10] Menu Design in A-la-carte Restaurants

with I. Duenyas (Michigan Ross) and Y. Hu (Michigan Ross)

[11] Buffet Dining Dichotomy

with I. Duenyas (Michigan Ross) and Y. Hu (Michigan Ross)

[12] On Emissions in Supply Chains

with R. Kapuscinski (Michigan Ross) and Y. Liu (Michigan Ross)

[13] Impact of AI Assignments on Student Satisfaction, Effort, and Learning

with R. Bray (Kellogg) and S. Martin (Kellogg)

MEDIA MENTIONS

Food & Wine Magazine (quote): <i>9 Reasons Why Aldi's Groceries Are So Inexpensive</i>	Apr 2025
Kellogg Insight (media mention of coauthored research): <i>Everyone Wants to Ditch the Middleman</i>	Jun 2024
Axios (interview, podcast): <i>The price of staying warm this winter</i>	Oct 2022
Poets & Quants (article, quote): <i>The Crystal Ball: B-Schools Acknowledge Challenges, Put Positive Shine On 2022</i>	Jan 2022
Bon Appetit Magazine (quote): <i>To Stop Food Waste, We Need to Confront Our Food Anxiety</i>	May 2021
Ross Thought in Action (media article featuring research): <i>Online Grocery Shopping Can Reduce Food Waste and Help the Environment</i>	Jan 2020

TEACHING EXPERIENCE

The Stephen M. Ross School of Business , U of Michigan, USA BBA Program, Business Analytics & Statistics Class (TO301) <ul style="list-style-type: none">· Instructed 2 sections in Fall 2019, Fall 2020, Fall 2024· Instructed 3 sections in Fall 2021· Served as a Course Coordinator in Fall 2021· Completed BBA curriculum mapping for TO301 in Winter 2022	2019 – 2024
The Stephen M. Ross School of Business , U of Michigan, USA PhD Program, Select Topics on Sustainability in OM Class (TO899) <ul style="list-style-type: none">· Created & taught a PhD class	Winter 2021
INSEAD , France Executive Training Program “Sberbank 500” (Russia’s Largest Bank) <ul style="list-style-type: none">· TA in the Business Model Innovation class, Prof. S. Netessine,· Coordinated a hybrid MOOC of ~500 students per year	2013 – 2018
The University of Chicago Booth School of Business , USA MBA Program <ul style="list-style-type: none">· TA for Operations Management class, Prof. E. Belavina	Spring 2018
London Business School , UK Executive Development Program <ul style="list-style-type: none">· TA for Operational Innovation class, Prof. C. Markides & Prof. I. Ioannou	Fall 2017
INSEAD , France PhD Program <ul style="list-style-type: none">· Self-standing core Math Tutorial class (Calculus, Linear Algebra, Optimization)· Instructed 1st year PhD students, created class materials	Fall 2014

Universität Bielefeld, Germany
Department of Mathematics

Fall 2011

- Optimization class, Prof. T. Pasurek
- Instructed 20 Master-level math students

TEACHING MATERIALS CREATED

Business Case: MopinSky: Detecting Disintermediation on a Gig Platform”,
with R. Bray

INSEAD Business School Teaching Case Sberbank: No Queues!”,
with S. Netessine,
available in English and in Russian,
in use in Executive Training Program “Sberbank 500” for 4 years

AWARDS & GRANTS

Honored Instructor Award,	2025
Small Business of Food Grant, \$10,000 (joint with E. Belavina)	2019
Finalist, IBM Service Science Best Student Paper Award	2018
INSEAD Doctoral Scholarship	2013-2018
Hackaton "hack4INSEAD" Winner (team competition)	Spring 2015
European Commission Erasmus Mundus Scholarship	2010-2012
Dynasty Foundation Scholarship for Young Scientists in Economics	2009-2010
Scholarship for Innovation in the Domain of Natural Sciences	2007-2010
Russian Government Scholarship for Academic Excellence	2006-2010

SELECTED INVITED TALKS

2024 – 2025:

The Foster School of Business, University of Washington Apr 2025

2023 – 2024:

The Fuqua School of Business, Duke University Dec 2023

At the University of Michigan:

- Guest Lecture on Food Waste and Nutrition Oct 2023
invited by S. Ball
guest lecture for medical students (School of Public Health & Medical School)

2022 – 2023:

At the University of Michigan:

- Guest Lecture on Food Nutrition, Addiction, and Waste Mar 2023
invited by S. Aaronson
guest lecture for medical students (School of Public Health & Medical School)

2021 – 2022: (virtual)

At the University of Michigan:

- Knight-Wallace, ESG Bootcamp: Is On-demand Sustainable? May 2022
invited by Prof. J. Davis
- Fast Food For Thought: Shall We Do Our Groceries Online? Apr 2022
invited by SFSI
campus-wide event with 700+ of registered attendees
- Kick-Off Event (Tauber Institute): Successful Student Advising Apr 2022
invited by Prof. H.-S. Ahn
- BA670 (+Impact Studio course): Latest Innovations in the Food Sector Dec 2021
invited & interviewed by Prof. J. Davis
- EBS Program (Ross & LSA): Last-Mile Food Delivery & Food Waste Jul 2021
invited by Prof. F. Lafontaine

Other Schools:

Cornell University (invited to give a guest lecture on food waste)
Nanyang Business School, Nanyang Technological University
The Lee Kong Chian School of Business, Singapore Management University
National University of Singapore Business School

2019 – 2020:

At the University of Michigan:

- Junior Faculty Informal TO Brown Bag May 2020
invited by Prof. S. Keppler
Presented the work-in-progress "Hyperlocal P2P Food Sharing: Estimating the Effect of the Food Waste Hero" Presence"
- TO/BE435: Guest Lecture on Food Waste Mar 2020
invited by Prof. S. Leider
Behavioral Economics & Behavioral OM BBA Class
- Business+Impact: Food Waste Talk Feb 2020
invited by Prof. J. Davis
Part of the Series "Faculty Research for Impact" (UN SDG 14: Climate Action)
- Knight-Wallace Fellows Event: Food Waste Talk Sep 2019
invited by Prof. F. Lafontaine

2018 – 2019:

The Stephen M. Ross School of Business, University of Michigan
The Kellogg School of Management, Northwestern University
SC Johnson College of Business, Cornell University
The Anderson School of Management, University of California, Los Angeles

The Fuqua School of Business, Duke University
 Darden School of Business, University of Virginia
 The Max M. Fisher College of Business, Ohio State University
 College of Business, Clemson University
 The Beedie School of Business, Simon Fraser University
 School of Economics and Management, Tilburg University
 INSEAD, France

CONFERENCE PRESENTATIONS

INFORMS, Seattle, WA, USA	Oct 2024
MSOM, Minneapolis, MN, USA	Jun 2024
INFORMS, Phoenix, AZ, USA	Oct 2023
MSOM, Montreal, Canada	Jun 2023
MSOM, virtual	Jun 2021
INFORMS, virtual	Oct 2020
INFORMS, Seattle, WA, USA	Oct 2019
INFORMS, Phoenix, AZ, USA	Nov 2018
MSOM, Dallas, TX, USA	Jul 2018
European TOM Day, Fontainebleau, France	Jun 2018
INFORMS, Houston, TX, USA	Oct 2017
MSOM, Chapel Hill, NC, USA	Jun 2017
INFORMS, Nashville, TN, USA	Nov 2016
INFORMS, Philadelphia, PA, USA	Nov 2015

ACADEMIC SERVICE

Ad-hoc reviewer for academic journals: Management Science, Manufacturing & Service Operations Management, Operations Research, Production & Operations Management, Quarterly Journal of Operations Research, Service Science

Invited judge for competitions/conferences: TIE SIG (MSOM Conference 2022-2024), Poster Session Competition (INFORMS Annual Conference 2024), SCM SIG (MSOM Conference 2020-2022), Sustainable Operations SIG (MSOM Conference 2024), MSOM Best Student Paper Competition (2020-2021), POMS CSO Student Paper Competition (2021-2023), SOM SIG (MSOM Conference 2021-2023), PSOR Best Paper Award (2019-2024), INFORMS TIMES (2020-2021), Ross Datathon 2020

Track/Cluster Chair: MSOM SIG Sustainable Operations track chair for INFORMS Annual Meeting 2024

Conference Session Chair: INFORMS 2023 (Socially Responsible and Sustainable Operations cluster), INFORMS 2020 (ENRE and MSOM/Sustainability tracks), INFORMS 2019 (Service Science track)

TO Research Seminar Series: co-organizer in AY2024-2026

Student Supervision:

(1) Feng Tian	Jul 2019 - Jul 2021
ex-PhD student at Michigan Ross, co-advised with Prof. I. Duenyas, academic job market placement: Asst. Prof. HKU Business School	
(2) Yuwen Hu	Jul 2020 - present
PhD student at Michigan Ross, co-advising with Prof. I. Duenyas	
(3) Haonan Zhang	Oct 2020 - 2024
Master Student at Northwestern University, solo advising until Aug 2021	

PhD student at U Washington, co-advised with Prof. M. Shunko in 20212-2024

(4) Fan Zhou Oct 2021 - 2024
PhD student at Michigan Ross, co-advising with Prof. R. Anupindi

(5) Yanwen (Bronny) Liu Dec 2024 - present
PhD student at Michigan Ross, co-advising with Prof. R. Kapuscinski

Other PhD Program Service: PhD student admissions committee member (2020, 2021, 2024), invited "reader" for a candidacy paper of Jonhoo Bae (2021), conducted mock-interviews and prepped TO job market candidates for upcoming market (2020-2024)

Faculty Advisor at Tauber Institute:

(0) Lear CMP May - Jul 2025
J. Kim (MBA, Ross, University of Michigan)

(1) Amazon Sorting Center May - Jul 2024

(2) Starbucks May - Jul 2023
J. Liu (IOE Student, senior, University of Michigan) and C. Wang (IOE Student, senior, University of Michigan)

(3) Amazon Robotics May - Jul 2022
M. Isik (MBA Student, Michigan Ross) and S. Cox (IOE Student, senior, University of Michigan)

(4) PepsiCo May - Jul 2021
T. Kraeutler (MBA Student, Michigan Ross) and J. Riley (IOE BBA Student, University of Michigan)

(5) Beyond Meat (Pro-bono) May - Jul 2020
S. Gurijala (MBA Student, Michigan Ross) and X. Dai (IOE Master Student, University of Michigan)

Faculty Advisor at Full-Time MBA MAP:

The Pulpo Group, Texas Super Kings 2025

Nestle USA, Evigence Sensors Inc, Fidelity Investments, Pilot Light 2024

Other: Contributed to the development of INFORMS Diversity, Equity, and Inclusion (DEI) Ambassadors Program; Consulted MBA Teams on their MAP projects at Michigan Ross (Amazon Fresh, Avery Dennison), Consulted MBA Teams on their B+I projects at Michigan Ross (topics: women empowerment, under-represented communities, poverty, food access)

OTHER EXPERIENCE

Research Associate Jul 2012 - Jul 2013
INSEAD, France
Economics & Political Science Department

Research Assistant Sep 2008 – Dec 2009

Gaidar Institute for Economic Policy, Russia
Department of Monetary Policy

OTHER PUBLICATIONS

E. Astashkina, Fiscal theory of a price level in Russian economy,
Russian Economy: Young Scientists Insight (Working Papers Collection), 4th edition, January 14, 2011. ISBN 978-5-93255-301-5 (available in Russian only).

OTHER LEADERSHIP & EXPERT ROLES

Treasurer of POMS College of Supply Chain Management (elected)	2022 – 2024
Invited Expert Judge at Kellogg-Morgan Stanley Sustainable Challenge	Spring 2018
Invited Expert/Teamleader, MIPT Startup incubator for Y Combinator	Spring 2017
Invited Expert, SAFE-Q (Safeguarding Food and Environment in Qatar)	Nov 2016
Delegate of Bielefeld University QEM Department	2011 – 2012
Speaker for the Student Trade Union, MIPT	2007 – 2010
Member of Student Government, MIPT	2007 – 2010

SKILLS

Computer: STATA, R, C, Python, Mathematica, MS Office, L^AT_EX
Languages: Russian (native), English (fluent), German & French (conversational), Spanish (basic).

OTHER ACTIVITIES

Sports: Skiing (*Licensed Instructor*), Bouldering, Tennis, Dancing
Music & Art: Diaghilev Russian Academy of Arts 1996 – 2003

- *1st Dept:* Choreography (Ballet), Diploma with Honors
- *2nd Dept:* Instrument (Piano), Diploma with Honors