

Ekaterina (Kate) Astashkina

701 Tappan Ave
Ann Arbor, MI 48109-1234, USA

astash@umich.edu
<http://www.astashkina.com>

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 due to Covid pandemic)

RESEARCH INTERESTS Sustainable Operations Management, Food Waste, Supply Chain Management, Innovative B2C Business Models (incl., grocery e-tailing, peer-to-peer food sharing, rewards-based crowdfunding, subscription-based clothing rental)

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 Autònoma de 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, GPA: 4.9/5 Jun 2010
- *Minor: Computer Science, Linguistics*

WORKING PAPERS [1] **The Environmental Impact of the Advent of Online Grocery Retailing**,
with E. Belavina (Cornell) and S. Marinesi (Wharton),
Rej. & Resub. at Management Science, in preparation for re-submission
findings feat. in MBA Core TO course at Michigan Ross

[2] **Designing an Optimal Dynamic Contract in the Presence of Double Moral Hazard**,
with I. Duenyas (Michigan Ross) and F. Tian (Michigan Ross)
Rej. & Resub. at Management Science, in preparation for re-submission

[3] **Comparing Campaign Designs In Rewards-based Crowdfunding Platforms**,
with K. Girotra (Cornell Tech) and S. Marinesi (Wharton),
working paper, in preparation for submission at Management Science

[4] **The Impact of Variety on the Economic & Environmental Performance of a Fashion Rental Business Model**,
with V. Aggrawal (Georgetown) and A. Saez de Tejada Cuenca (IESE)
working paper, in preparation for submission at Management Science

[5] **Impact of Workforce Flexibility on Customer Satisfaction: Empirical Framework & Evidence from a Cleaning Services Platform**,
with R. Momot (HEC Paris) and M. Salikhov (Yale),
working paper

[6] Sustainable Sharing of a Scarce Resource with Uncertain Refill,
working paper, currently dormant

**WORK IN
PROGRESS**

[7] Reducing Food Waste in the Food Service Industry,
with F. Tian (Michigan Ross),
work in progress

[8] Hyperlocal Food Sharing: A Myth or the Future?
work in progress, model build-up & data analysis stage

[9] On the Efficiency of Fiscal Instruments that Combat Household Food Waste,
with E. Belavina (Cornell),
work in progress, results available upon request

[10] Reducing Post-Consumer Food Waste at the Employee Dining Halls: Field Experiment,
with E. Belavina (Cornell),
currently paused

[11] Environmental Impact of a Fashion Rental: Analytical Investigation,
with I. Duenyas (Michigan Ross) and Y. Hu (Michigan Ross),
work in progress

**MEDIA
ARTICLES**

Ross Thought in Action: Jan 2020
Online Grocery Shopping Can Reduce Food Waste and Help the Environment

**MEDIA
QUOTES**

Bon Appetit Magazine: May 2021
To Stop Food Waste, We Need to Confront Our Food Anxiety

**TEACHING
EXPERIENCE**

The Stephen M. Ross School of Business, U of Michigan, USA Winter 2021
PhD Program
· Select Topics on Sustainability in OM Class (TO899)
· Created & taught a PhD class

The Stephen M. Ross School of Business, U of Michigan, USA 2019 – 2021
BBA Program
· Business Analytics & Statistics Class (TO301)
· Instructed 2 sections every year

INSEAD, France 2013 – 2018
Executive Training Program Sberbank 500 (Russia's Largest Bank)
· TA in the Business Model Innovation class, Prof. S. Netessine,
· Coordinated a hybrid MOOC of ~500 students per year

The University of Chicago Booth School of Business, USA Spring 2018
MBA Program
· TA for Operations Management class, Prof. E. Belavina

London Business School, UK Fall 2017
Executive Development Program

- TA for Operational Innovation class, Prof. C. Markides & Prof. I. Ioannou

INSEAD, France Fall 2014
PhD Program

- Self-standing core Math Tutorial class (Calculus, Linear Algebra, Optimization)
- Instructed 1st year PhD students, created class materials

Universität Bielefeld, Germany Fall 2011
Department of Mathematics

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

**TEACHING
MATERIALS
CREATED**

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**

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**

2020 – 2021:

At The Stephen M. Ross School of Business, University of Michigan:

- Business+Impact: Food Waste & Buying Food Online (scheduled) Jul 2021
invited by Prof. F. Lafontaine

2020 – 2021: (virtual)

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 Stephen M. Ross School of Business, University of Michigan:

- Knight-Wallace Fellows Event: Food Waste Talk Sep 2019
invited by Prof. F. Lafontaine
- 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)
- TO/BE435: Guest Lecture on Food Waste Mar 2020
invited by Prof. S. Leider
Behavioral Economics & Behavioral OM BBA Class
- Junior Faculty Informal TO Brown Bag May 2020

invited by Prof. S. Keppler
Presented the work-in-progress "Hyperlocal Food Sharing: Myth or the Future?"

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 PRESENTA- TIONS	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

Invited judge for competitions/conferences: 2021 MSOM Student Paper Competition, 2021 POMS CSO Student Paper Competition, SCM SIG (MSOM Conference 2021), Sustainable Ops SIG (MSOM Conference 2021), INFORMS TIMES 2021; 2020 MSOM Student Paper Competition, SCM Special Interest Group (MSOM Conference 2020), PSOR Best Paper Award 2020, INFORMS TIMES 2020, Ross Datathon 2020, PSOR Best Paper Award 2019

Conference Session Chair: INFORMS 2020 (ENRE and MSOM/Sustainability tracks), INFORMS 2019 (Service Science track)

PhD Students Supervision at Michigan Ross:

(1) F. Tian Jul 2019 - (exp) Jul 2021
co-advising with Prof. I. Duenyas,
academic job market placement: Asst. Prof. HKU Business School

(2) Y. Hu Jul 2020 - present
co-advising with Prof. I. Duenyas

Other PhD Program Service: PhD student admissions committee member (2021), invited "reader" for a candidacy paper of Jonhoo Bae (2021)

Faculty Advisor:

(1) Tauber Project with PepsiCo, May - Jul 2021:

T. Kraeutler (MBA Student, Michigan Ross) and J. Riley (IOE BBA Student, University of Michigan)

(2) Tauber Pro-bono Project with Beyond Meat, May - Jul 2020:

S. Gurijala (MBA Student, Michigan Ross) and X. Dai (IOE Master Student, University of Michigan)

Other: Contributed to the development of INFORMS Diversity, Equity, and Inclusion (DEI) Ambassadors Program

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 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
Selected Department Delegate to meet Vladimir Putin, MIPT 2009

SKILLS *Computer*: STATA, R, C, Python, 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