INFORMS 2020
MSOM Business Meeting

INFORMS Annual Meeting

Sunday, November 8, 2020

Agenda

- **State of the Society:**
  - MSOM Officers
  - Society Update (Membership, Finances)
  - MSOM Conferences (2021 and 2022) and INFORMS 2021
  - New Initiatives: By-law Updates per INFORMS Request
- **Awards:**
  - Best Paper Awards: Management Science (OM); Operations Research; M&SOM
  - Young Scholar Award
  - SIG Awards: Service SIG Award; iFORM SIG Award
  - MSOM Research Challenges: Data-driven Research; Practice-based Research
  - MSOM Student Paper Competition
  - MSOM Responsible Research Award
  - MSOM Distinguished Fellows
  - MSOM Distinguished Service Award
- **Journal Updates:**
  - M&SOM, MS, OR

Webinar Set-up

- Special thanks to Burak Kazaz and Syracuse University team for hosting the Zoom webinar!

- During this webinar, you have **no Audio** or **Video** capabilities.

- To ask questions, please use the **Q&A** function.

- To congratulate finalists and award recipients, please use the **Chat** function and select **All Attendees**.

Agenda

- **State of the Society:**
  - MSOM Officers
  - Society Update (Membership, Finances)
  - MSOM Conferences (2021 and 2022) and INFORMS 2021
  - New Initiatives: By-law Updates per INFORMS Request
- **Awards:**
  - Best Paper Awards: Management Science (OM); Operations Research; M&SOM
  - Young Scholar Award
  - SIG Awards: Service SIG Award; iFORM SIG Award
  - MSOM Research Challenges: Data-driven Research; Practice-based Research
  - MSOM Student Paper Competition
  - MSOM Responsible Research Award
  - MSOM Distinguished Fellows
  - MSOM Distinguished Service Award
- **Journal Updates:**
  - M&SOM, MS, OR

MSOM Officers 2020-2021

President
Atalay Atasu
INSEAD

President-Elect
Feryal Erhun
University of
Cambridge

VP Meetings
Burak Kazaz
Syracuse
University

Secretary/Treasurer
Luyi Gui
UC Irvine

Webmaster
Hyun Seok Lee
Korea University

INFORMS Subdivision
Liaison
Tolga Aydinliyim
Baruch College

MSOM SIG Chairs 2020-2021

Service
Management
Manpreet Hora
Georgia Tech

Supply Chain
Management
Gah-Yi Ban
LBS

iFORM
Onur Boyabatlı
Singapore Management
University

Healthcare
Operations
Anita Tucker
Boston University

Sustainable
Operations
Gőkçe Esenduran
Purdue University

SPECIAL THANKS!

MSOM Officers 2019-2020

President
Kamalini Ramdas
London Business School

President-Elect
Atalay Atasu
INSEAD

VP Meetings
Dorothee Honhon
UT Dallas

Secretary/Treasurer
Rouba Ibrahim
University College London

Webmaster
Hyun Seok Lee
Korea University

INFORMS Subdivision Liaison
Tolga Aydinliyim
Baruch College

MSOM SIG Chairs 2019-2020

Service
Management
Manpreet Hora
Georgia Tech

Supply Chain
Management
Gah-Yi Ban
LBS

iFORM
Burak Kazaz
Syracuse

Healthcare
Operations
Anita Tucker
Boston University

Sustainable
Operations
Jose Guajardo
Berkeley

2020 INFORMS Annual Meeting
MSOM Cluster Co-Chairs

**Andrew
Davis**

**Kostas
Bimpikis**
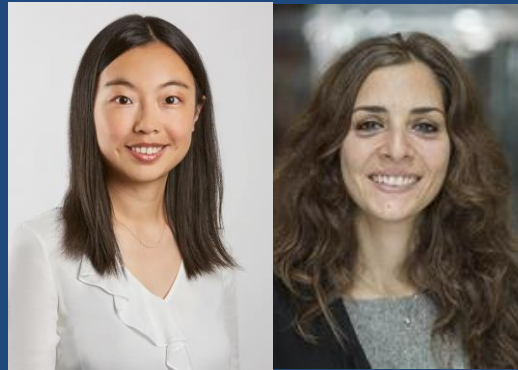
2020 INFORMS Annual Meeting
INFORMS SIG Track Chairs

Healthcare OM
Burhaneddin Sandikci
Hui Zhao

Service Management
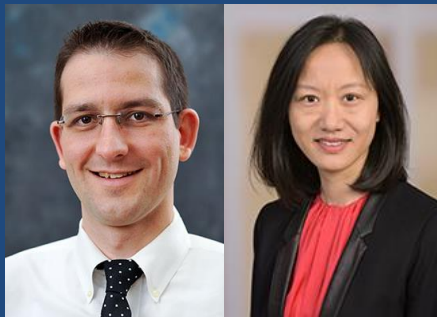**Jing Dong**
Rouba Ibrahim

Supply Chain Management
Cong Shi
Yehua Wei

iFORM
Jiri Chod
Rong Li

Sustainable Operations
Andre Calmon
Joann de Zegher
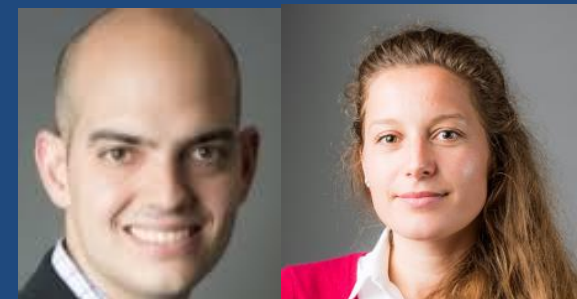
MSOM 2020 Organizers

Conference Chairs

Osman Alp   **Armann Ingolfsson**

- **Local Organizing Committee:** Marco Bijvank, Serasu Duran, Maryam Zakeri Hosseinabadi, Yonghua Ji, Bora Kolfal, Ilbin Lee, Alireza Sabouri, Saied Samiedaluie,

- **Conference Planner:** Mireille Faucon

- **Program Committee:** Opher Baron, Maria Besiou, Marco Bijvank, Robert Bray, Giovani Caetano da Silveira, Duy Dao, Nicole DeHoratius, Serasu Duran, Mert Hakan Hekimoglu, Ming Hu, Yonghua Ji, Burak Kazaz, Deishin Lee, Bora Kolfal, Ilbin Lee, Yuri Levin, Stefan Minner, Wei Qi, Alireza Sabouri, Saied Samiedaluie, William Schmidt, Kenneth Schultz, Max Shen, Tarkan Tan, Rachel Zhang

- **SIG Track Chairs:**
  - Health Operations Management: Diwas KC & Lauren Lu
  - iFORM: M. Hakan Hekimoglu & William Schmidt
  - Service Management: Ryan Buell & Qiuping Yu
  - Supply Chain Management: George Chen & Santiago Gallino
  - Sustainable Operations: Luyi Gui & Gonzalo Romero

2021 and Beyond

2021 INFORMS Annual Meeting
MSOM Cluster Co-Chairs

So Yeon Chun

Tinglong Dai

2021 INFORMS Annual Meeting
INFORMS SIG Track Chairs

Healthcare OM
Song-Hee Kim
Hessam Bavafa

Service Management
Tom Tan
Qiuping Yu

Supply Chain Management
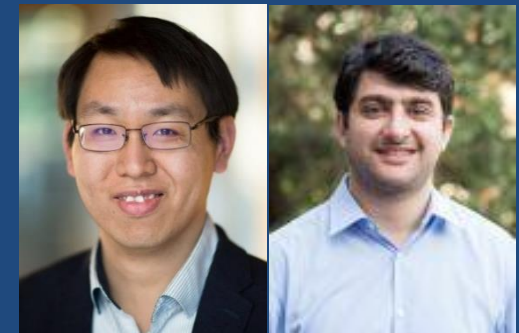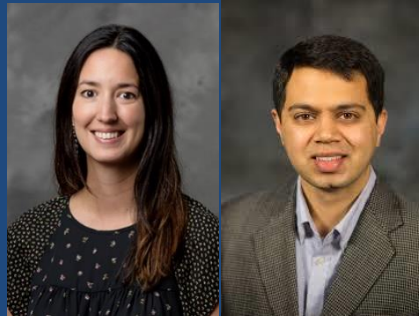**Ho-Yin Mak**
Ioannis (Yannis) Stamatopoulos

iFORM
Nikolay Osadchiy
Selvaprabu Nadarajah

Sustainable Operations
Gemma Berenguer
Suvrat Dhanorkar

MSOM Conference 2021

- MSOM 2021 will be **either**
  - Virtual on June 6-8th (original dates set before the pandemic), **or**
  - Hybrid, between August 4th and 18th, exact dates TBD
  - A survey will be sent to MSOM community to determine the conference format

- If hybrid format, and if you visit Indiana University:
  - All safety measures will be implemented throughout the conference according to the university rules and guidelines (may also include pre-arrival testing)
  - Great time to get outdoors: Lake Monroe, Brown County State Park, Bluespring Caverns, and more
  - **Your health is our priority!**

- Abstract submission will begin in
  - January if conference is held on June 6-8, or
  - March if conference is held in early or mid August

2021 MSOM Conference
SIG Day Track Chairs

Healthcare OM
George Ball
Tinglong Dai

Service Management
Robert (Bob) Batt
Srikanth Jagabathula

Supply Chain Management
George Qi Chen
Adam Elmachtoub
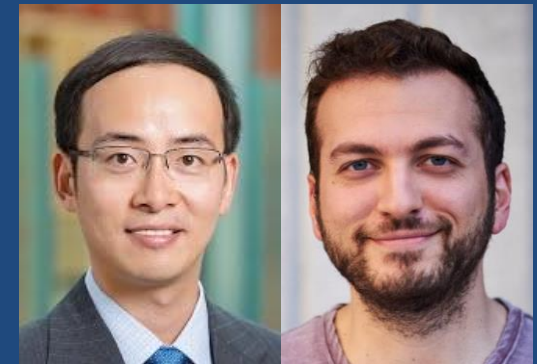
iFORM
Yasin Alan
Nikos Trichakis

Sustainable Operations
Adem Őrsdemir
Karthik Murali

MSOM 2022: Technical University of Munich (TUM)
June 26th – 28th

Conference Chairs

Prof. Dr. Alexander Hübner
Supply and Value Chain
Management
TUM Campus Straubing

Prof. Dr. Stefan Minner
Logistics and Supply Chain
Management
TUM School of Management

TUM

Society Update

MSOM Society Membership 2008-2020

MSOM membership

Legend: ■ Informs regular member ■ Informs student member ■ Informs retired member
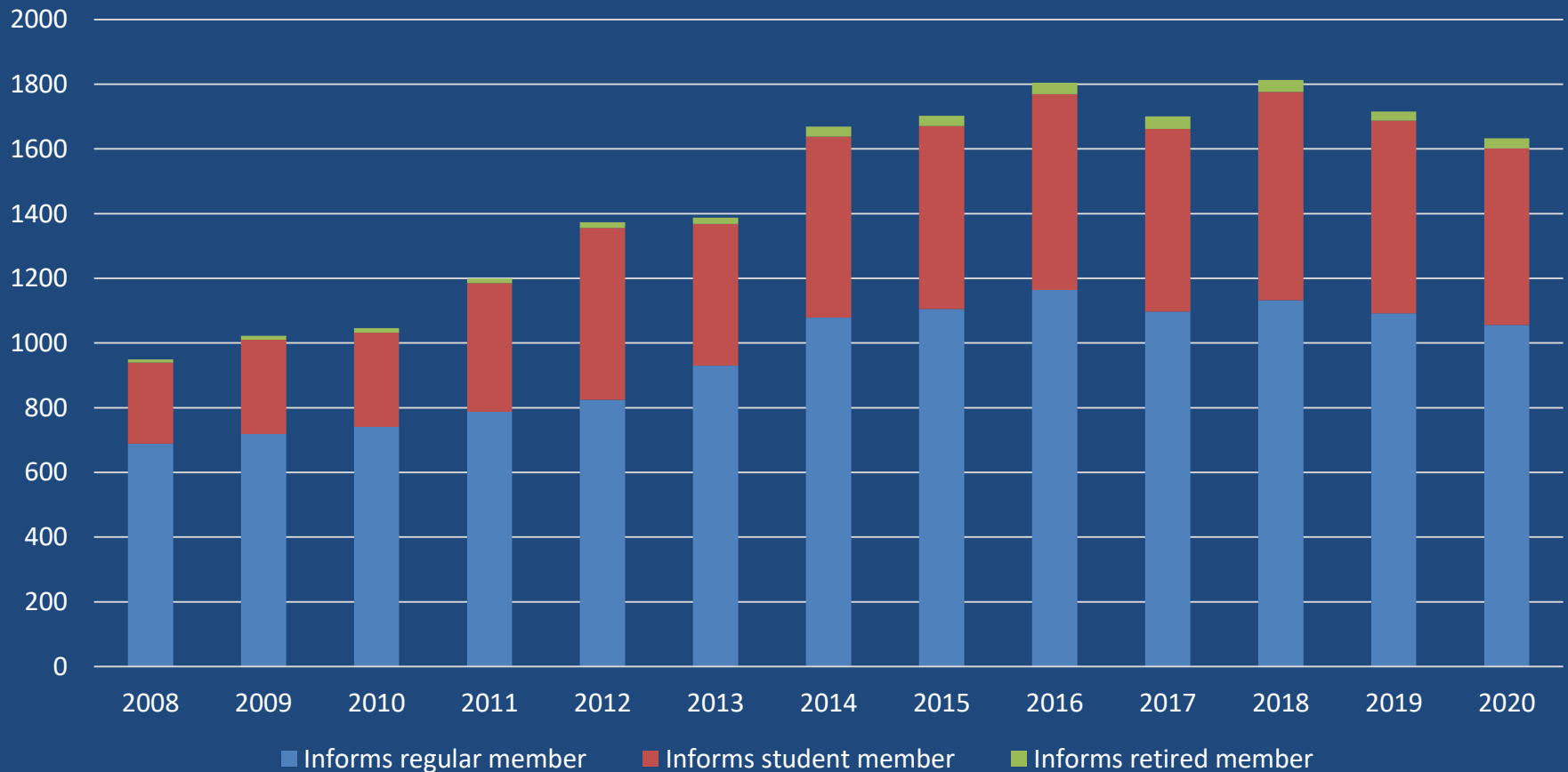
Notes:
Total membership = 1716 in 2019. Low was 951 in 2008 and high was 1813 in 2018.
Student members = 34.7% in 2019. Low was 26.4% in 2008 and high was 38.7% in 2012.
2019 number is based on download of active membership on Aug 31, 2019.

MSOM Finances

Healthy financial position

  - Cash balance of **$201,986** on 8/31/2019.

  - Cash balance of **$200,164** at the end on 8/31/2020.

New Initiatives

M&SOM Society Diversity and Inclusion Committee

- Diversity and Inclusion Committee Approved in Summer 2020 Business Meeting.

- Amendment in by-laws requires by-law updates
  - As per Informs policy, this requires re-structuring the society by-laws according to an Informs template (model by-laws).
  - We are in the process of adjusting our society by-laws, with minimal changes while following the Informs template.
  - The new format will be shared with membership in February/March 2021.
  - To be voted in March/April 2021 (online).

Agenda

- **State of the Society:**
  - MSOM Officers
  - Society Update (Membership, Finances)
  - MSOM Conferences (2021 and 2022) and INFORMS 2021
  - New Initiatives: By-law Updates per INFORMS Request
- **Awards:**
  - Best Paper Awards: Management Science (OM); Operations Research; M&SOM
  - Young Scholar Award
  - SIG Awards: Service SIG Award; iFORM SIG Award
  - MSOM Research Challenges: Data-driven Research
  - MSOM Student Paper Competition
  - MSOM Responsible Research Award
  - MSOM Distinguished Fellows
  - MSOM Distinguished Service Award
- **Journal Updates:**
  - M&SOM, MS, OR

Process for Award Recipients

- Plaques will be mailed by INFORMS after the conference.

BEST PAPER AWARDS:
MS BEST PAPER IN OM AWARD 2020

MS Best Paper in OM Award 2020: Finalists (in chronological order)

Dynamic Pricing in the Presence of Social Learning and Strategic Consumers, by Yiangos Papanastasiou and Nicos Savva, March 2016, Vol. 63, No. 4.

Omnichannel Retail Operations with Buy-Online-and-Pick-up-in-Store, by Fei Gao and Xuanming Su, June 2016, Vol. 63, No. 8.

Offline Showrooms in Omnichannel Retail: Demand and Operational Benefits, by David R. Bell, Santiago Gallino, and Antonio Moreno, March 2017, Vol. 64, No. 4.

MS Best Paper in OM Award 2020: Winner
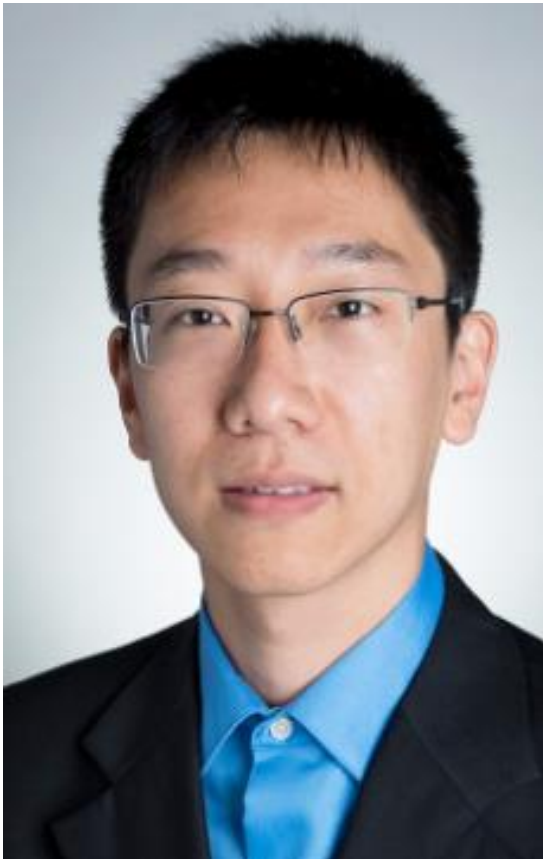
Omnichannel Retail Operations with Buy-Online-and-Pick-up-in-Store

by Fei Gao and Xuanming Su, June 2016, Vol. 63, No. 8.

BEST PAPER AWARDS:
BEST OM PAPER IN OR AWARD (NOT GIVEN THIS YEAR)

BEST PAPER AWARDS: 2020 M&SOM JOURNAL BEST PAPER AWARD

M&SOM Best Paper Award 2020: Finalists (in chronological order)

Online and Offline Information for Omnichannel Retailing, by Fei Gao and Xuanming Su. 2017, Vol. 19, No. 1.

The role of surge pricing on a service platform with self-scheduling capacity, by Gerard P. Cachon, Kaitlin M. Daniels, and Ruben Lobel. 2017, Vol. 19, No. 3.

On-Demand Service Platforms, by Terry Taylor. 2018, Vol. 20, No. 4.

M&SOM Best Paper Award 2020: Winner
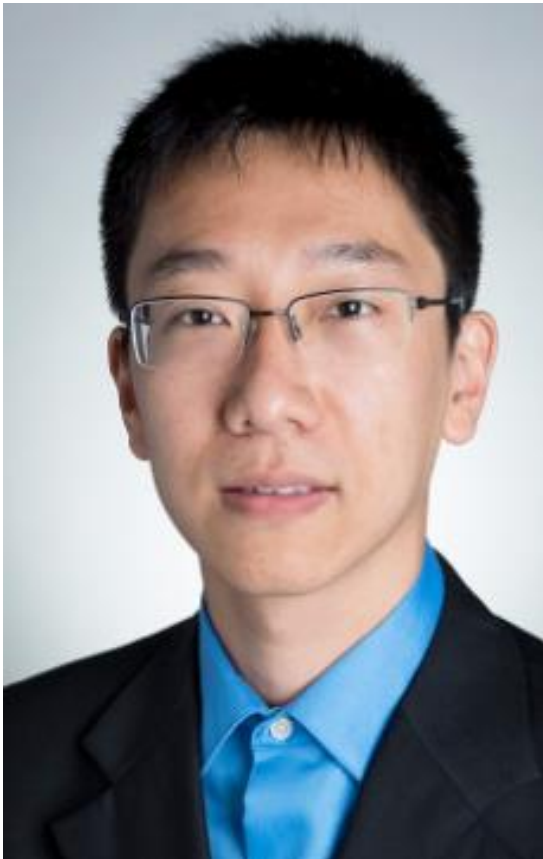
Online and Offline Information for Omnichannel Retailing

by Fei Gao and Xuanming Su, 2017, Vol. 19, No. 1.

2020 YOUNG SCHOLAR AWARD

TO RECOGNIZE EXCEPTIONAL YOUNG RESEARCHERS (40 OR YOUNGER) WHO HAVE MADE OUTSTANDING CONTRIBUTIONS TO SCHOLARSHIP IN OPERATIONS MANAGEMENT.

PRIZE ACCOMPANIED BY PLAQUE AND $1000 HONORARIUM.

2020 Committee:
Rob Shumsky (chair)
Carri Chan
Gustavo Vulcano
Lingxiu Dong

2020 MSOM Young Scholar Prize Winner

Vivek Farias

- "Over a relatively short period of time, [he] has already made significant contributions across an array of topics important to operations management."

- "While [his] research is characteristically application-driven in terms of problem choice, his work is quite remarkable in that it includes major theoretical contributions to some of the most difficult core problems in dynamic optimization under uncertainty and other fundamental problems in learning and optimization. At the same time, he develops pragmatic solution methods that are real-time and data–driven."

- "He is one of the few researchers who are capable of doing theoretically deep work and who also have demonstrable practical impact."

SIG AWARDS

2020 MSOM SIG Best Paper Award Service Management

- All papers in prior three years (2017-2019) eligible.

- Award accompanied by plaque and $500 honorarium for winners (shared amongst authors) and plaque for finalists.

- 15 submissions: Two shortlisted papers: Finalist and Winner

This year's judging committee:
Seyed Emadi
Itai Gurvich
Anita Tucker (chair)
Senthil Veeraraghavan
Qiuping Yu

Manpreet Hora (Service Management SIG chair)

2020 MSOM SIG Best Paper Award Service Management

Finalist

Can Yardstick Competition Reduce Waiting Times?
Management Science, 2019

Nicos Savva

Tolga Tezcan

Özlem Yıldız

2020 MSOM SIG Best Paper Award Service Management

Winner

"Trading Time in a Congested Environment,"
Management Science, 2017

Luyi Yang

Laurens Debo

Varun Gupta

2020 MSOM SIG Best Paper Award iFORM

- Papers published in 2017, 2018 and 2019 are eligible
- Award accompanied by plaque and $500 honorarium (shared among authors)
- Judging Committee:

Burak Kazaz
Syracuse

Dan Iancu
INSEAD/Stanford
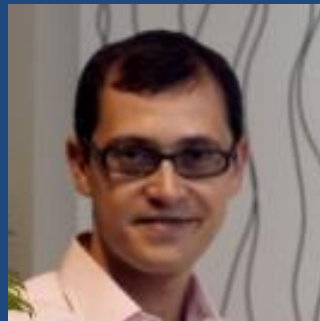
Tunay Tunca
Maryland
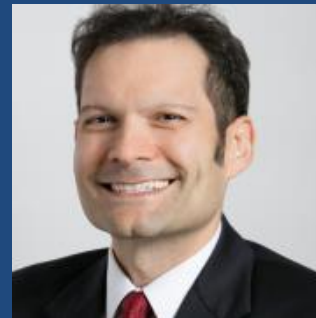
Onur Boyabatli
(iFORM SIG chair)

2020 MSOM SIG Best Paper Award iFORM

Finalists

Demirel, Süleyman, Roman Kapuscinski, and Man Yu. (2018). Strategic behavior of suppliers in the face of production disruptions. *Management Science*, 64(2), 533-551.

Deng, Shiming, Chaocheng Gu, Gangshu Cai, and Yanhai Li. (2018). Financing multiple heterogeneous suppliers in assembly systems: Buyer finance vs. bank finance. *Manufacturing & Service Operations Management*, 20(1), 53-69.

2020 MSOM SIG Best Paper Award iFORM

Winner

S. Alex Yang and John R. Birge. (2018). Trade credit, risk sharing, and inventory financing portfolios. *Management Science*, 64(8), 3667-3689.

MSOM RESEARCH CHALLENGES

PRACTICE-BASED RESEARCH: IN 2021

DATA-DRIVEN RESEARCH 2020: IN-PROGRESS

DATA-DRIVEN RESEARCH 2021: HAIER

RiRiShun Logistics

Home Appliance Delivery Data for the 2021 MSOM Data Driven Research Challenge

RiRiShun: A logistics ecosystem

- Logistics subsidiary of Haier
- Focus on logistics service for household appliances
- Provide service for Ali, JD.com, and hundreds of manufacturers, and online & offline retailers
- 4-dimational logics network
  - 7 national CDCs
  - 26 RDCs
  - 100 LTCs
  - 2,000 hubs
  - 5,000,000 m² storage area
- Distribution: 100,000 trucks
- Service: 6,000 service stations, 200,000 installation servers
- Each province has one RDC or CDC
- A much denser network for the eastern and southern providences

Central Distribution Centers
Regional Distribution Centers
- Solid lines represent the relationship in the same area.
- Dashed lines represent the relationship between areas.
- Some Local Transfer Centers are omitted due to high density.
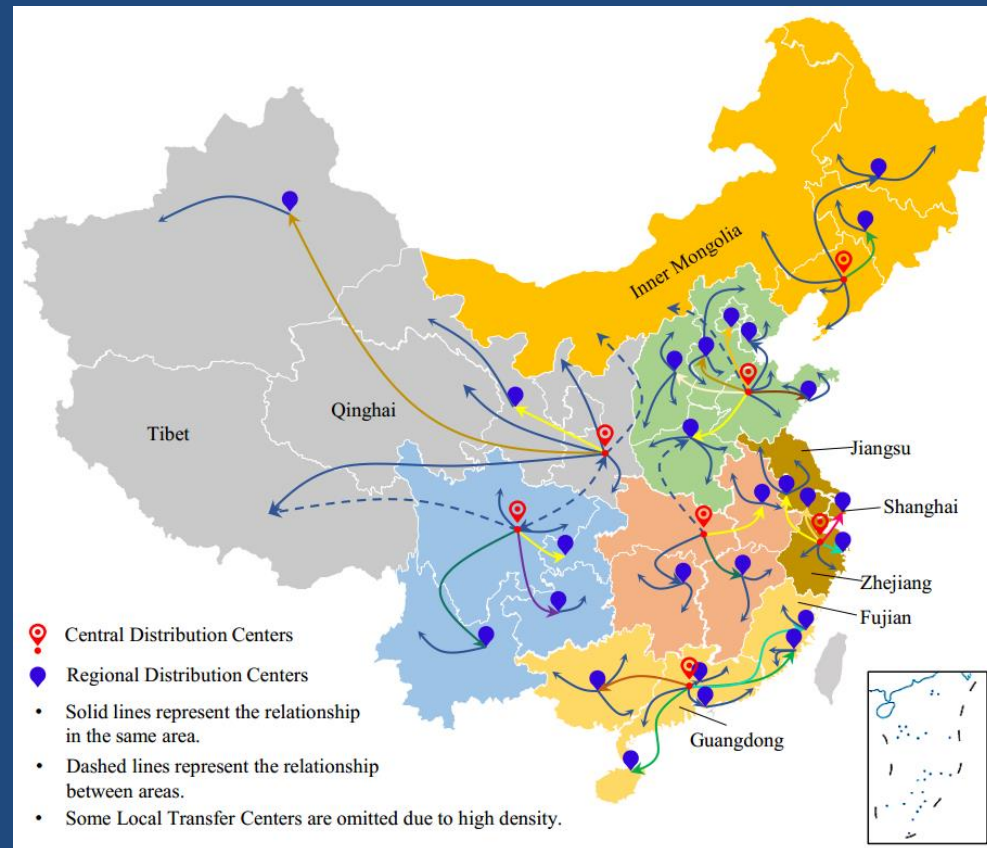
CDC: central distribution centers
RDC: regional distribution centers
LTC: local transfer centers

Data Description

- Table 1. Orders
  - Detailed information for 17,401,572 RRS orders from October 2018 to September 2019
  - 149 clients and 4,223,372 end-consumers
  - The highest is 14,888,490, takes 85.3% of all the orders
- Table 2. SKU Details
  - Detailed information for all SKUs with length, width, height, volume and weight
- Table 3. Appointment Details
  - Detailed appointment information for each order, including estimated delivery time appointment date

- Table 4. Delivery Details
  - Detailed delivery information of each order, containing all operation nodes in the entire logistics distribution process
- Table 5. Consumer Details
  - Detailed location of each end-consumer
- Table 6. Client Details
  - Classification of the 149 clients, into logistics operators (e.g., Cainiao), retailers, and manufacturers
- Table 7. Distance Information
  - Estimated travel distance between any two distribution centers in the network

Potential Research Questions

- Contract design
- Transshipment strategy with cloud storage and cloud distribution
- Cost and revenue allocation between involved centers for transshipments
- Incentives and delivery successful rate, to reduce reassignments
- Cross-dock warehousing optimization between different transportation modes (i.e., trunk transportation, urban logistics, and last-mile delivery)
- Distribution network design
- Inventory strategy: pooled or dedicated
- Cost or revenue allocation among involved centers for specific orders
- Load scheduling for trucks facing products from upstream centers and local warehouses

A more detailed version of these slides is available at:

http://bs.ustc.edu.cn/pub/file/20201024/16035333667590391.pdf

Thank you !

2020 MSOM STUDENT PAPER COMPETITION

2020 Competition Co-chairs:
Vishal Agrawal (Georgetown)
Feryal Erhun (University of Cambridge)
Jun Li (University of Michigan)

Three Finalists

- **Nazli Sönmez (London Business School)**
  Can Shared Service Delivery Increase Customer Engagement? A Study of Shared Medical Appointments
  Coauthors: Ryan W. Buell, Kamalini Ramdas

- **Inki Sul (UT Dallas)**
  Damned if You Buy, Damned if You Wait: An Empirical Investigation of Customer Regret Under Markdown Pricing and Its Implications to Retailing
  Coauthors: Özalp Özer, Serdar Simsek

- **Ruoxuan Xiong (Stanford University)**
  Optimal Experimental Design for Staggered Rollouts
  Coauthors: Susan Athey, Mohsen Bayati, Guido Imbens

Second Place

Nikhil Garg (Stanford University)

Designing Informative Rating Systems: Evidence from an Online Labor Market

Coauthor: Ramesh Johari

First Place

Arielle Anderer (Wharton)

Adaptive Clinical Trial Designs with Surrogates: When Should We Bother?

Coauthors: Hamsa Bastani, John Silberholz

2020 MSOM RESPONSIBLE RESEARCH AWARD

2020 Award Committee:
Wedad Elmaghraby (Maryland) - Chair
Atalay Atasu (INSEAD)
Marcelo Olivares (University of Chile)
Francis de Vericourt (ESMT)
Ravi Anupindi (Michigan)

Honorable Mentions (Tie)

- *Are Hazardous Substance Rankings Effective? An Empirical Investigation of Information Dissemination About the Relative Hazards of Chemicals and Emissions Reductions*

Wayne Fu   **Başak Kalkancı**   **Ravi Subramanian**

- *Reducing Discrimination with Reviews in the Sharing Economy: Evidence from Field Experiments on Airbnb*

Ruomeng Cui   **Jun Li**   **Dennis J. Zhang**

Winner (Tie)

- *Optimal Allocation Without Money: An Engineering Approach*

Itai Ashlagi   **Peng Shi**

- *The Impact of Unifying Agricultural Wholesale Markets on Prices and Farmers' Profitability*

Retsef Levi   **Manoj Rajan**   **Somya Singhvi**   **Yanchong Zheng**

2020 MSOM DISTINGUISHED FELLOW

2020 Selection Committee
    Gad Allon
    Charles Corbett
    Wedad Elmaghraby
    Guillermo Gallego
    Kamalini Ramdas

2020 MSOM DISTINGUISHED SERVICE AWARD

2020 Selection Committee
    Atalay Atasu
    Chris Tang
    Tava Olsen

2020 MSOM Distinguished Fellow

Jay
Swaminathan

2020 MSOM Distinguished Service

Brian
Tomlin

Agenda

- **State of the Society:**
  - MSOM Officers
  - Society Update (Membership, Finances)
  - MSOM Conferences (2021 and 2022) and INFORMS 2021
  - New Initiatives: By-law Updates per INFORMS Request
- **Awards:**
  - Best Paper Awards: Management Science (OM); Operations Research; M&SOM
  - Young Scholar Award
  - SIG Awards: Service SIG Award; iFORM SIG Award
  - MSOM Research Challenges: Data-driven Research; Practice-based Research
  - MSOM Student Paper Competition
  - MSOM Responsible Research Award
  - MSOM Distinguished Fellows
  - MSOM Distinguished Service Award
- **Journal Updates:**
  - M&SOM, MS, OR

M&SOM: Updates 2020

CHRISTOPHER S. TANG

2020

M&SOM Statistics (Jan 1 – Sept 26, 2020)

# of submissions to *M&SOM* between Jan 1 and Sept 26
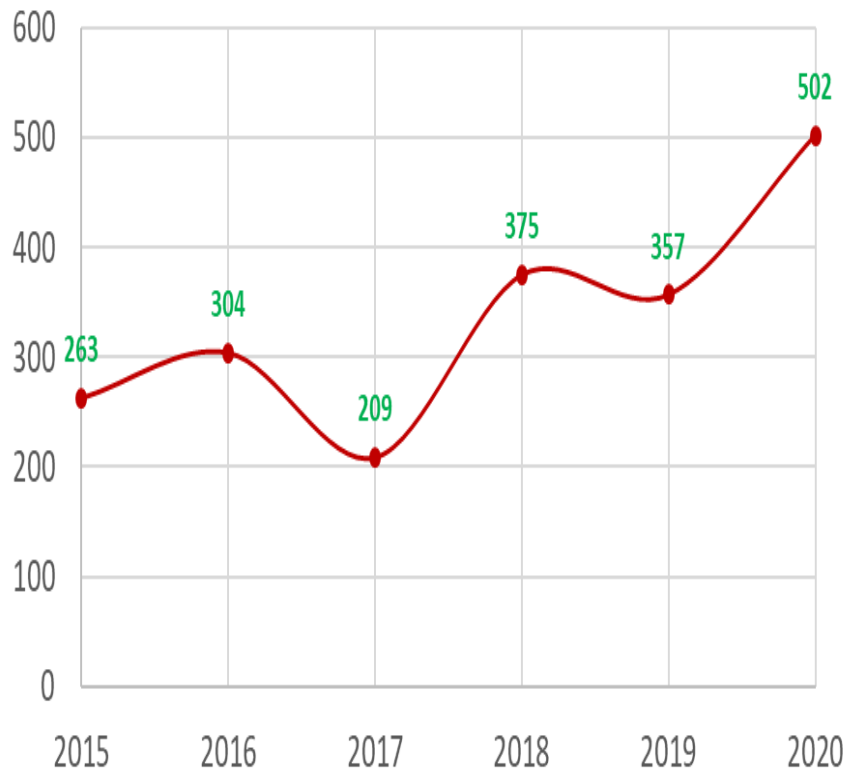
First quarter	Statistics
Acceptance rate	13%
Review Cycle Time	86 days (average) Long tail – Please help!

Number of Days from Submission to Decision

M&SOM is on the rise!

Usage

	MSOM
2014	43771
2015	59946
2016	68273
2017	82862
2018	99588
2019	121310
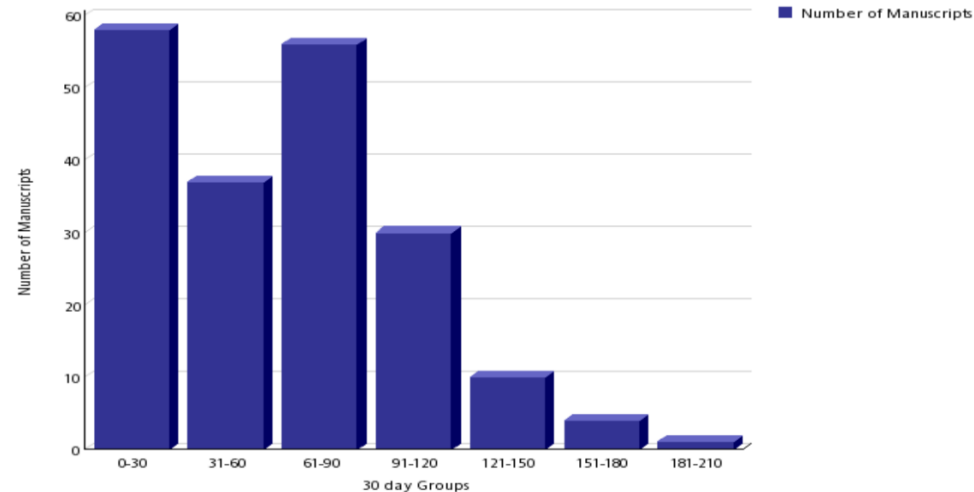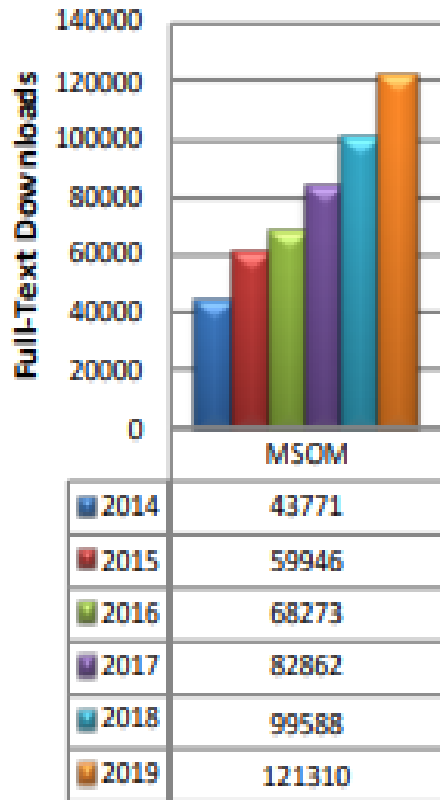
Impact Factor of M&SOM

M&SOM: 1.966, 1.579, 1.795, 2.667, 4.281

Management Science: 2.741, 2.822, 3.544, 4.219, 3.935

Marketing Science: 1.647, 2.163, 2.794, 2.49 / 2.365, 3.019

Operations Research: 1.574, 1.683, 2.139, 2.237

Legend: M&SOM, Management Science, Marketing Science, Operations Research
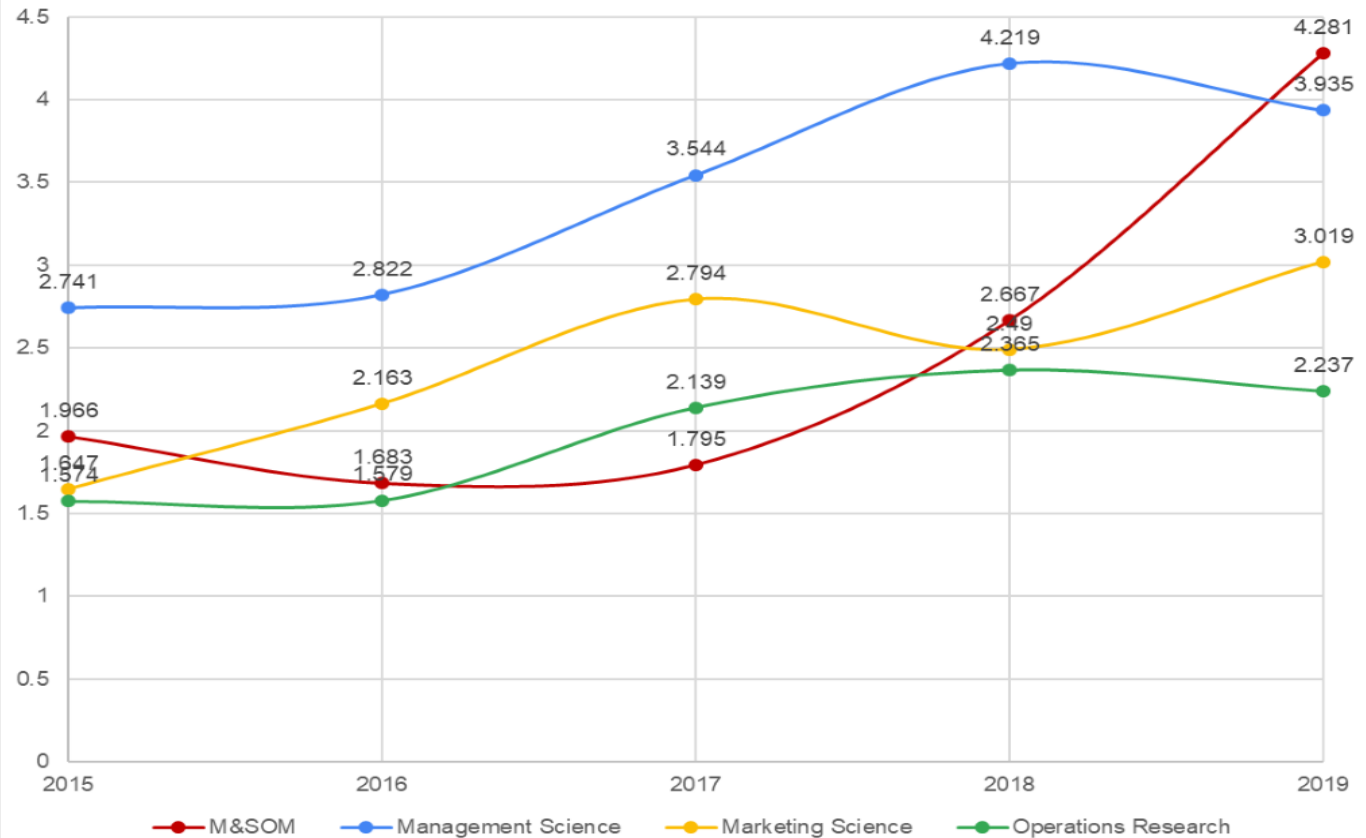
M&SOM Initiatives

- M&SOM became a bi-monthly journal in 2020
- 2020 Special Issues
    - OpnsFinTech – Iancu & Yang
    - Socially Responsible Research in OM – Netessine, Tang & Toffel
- 2020 Second MSOM Data-Driven Research Competition (JD.com)
    - Committee co-chairs -- Gad Allon & Chris Tang
- 2021 Second Biennial *M&SOM* Practice-Based Research Competition
    - Chair: Jérémie Gallien – deadline September 18, 2020
- 2021 Third MSOM Data-Driven Research Competition
    - In Progress – Gad Allon & Yugang Yu

Thank you!

M&SOM
Manufacturing & Service Operations Management Journal

MSOM Business Meeting

Georgia Perakis

Fall 2020

Thank you!

- **Chris** thank you for bringing the journal to a new height. Thank you for all your energy and hard work!
- You will be one tough act to follow! **I know I will miss you!**

Brian, Hau, Morris and very recently **Kamalini** thank you for all you have done for the journal!

Current Departments

Department of Manufacturing and Supply Chain

Department of Service Operations

Department of Innovative Operations

Process for DE Selection

Received input from several people from many different schools, countries/continents.

Dan Adelman, Gad Allon, Mor Armony, Atalay Atasu, Mohsen Bayati, Saif Benjafaar, Omar Besbes, John Birge, Ryan Buell, Gerard Cachon, Maxime Cohen, Morris Cohen, Charles Corbett, Francis de Vericourt, Wedad Elmaghraby, Ozlem Ergun, Vivek Farias, Jérémie Gallien, Steve Graves, Pavithra Harsha, Stelios Kavadias, Pinar Keskinocak, Song-Hee Kim, Hau Lee, Retsef Levi, Mahesh Nagarajan, Hamid Nazerzadeh, Serguei Netessine, Tava Olsen, Mike Pinedo, Ananth Raman, Kamalini Ramdas, Guillaume Roels, Paat Rusmevichientong, Max Shen, Melvyn Sim, David Simchi-Levi, Chris Tang, CP Teo, Beril Toktay, Brian Tomlin, Anita Tucker, Larry Wein, Assaf Zevi, Karen Zheng.

Thank you all so much!

Lots of people I did not consult yet!
Please reach out with any ideas or feedback!

Starting from Clean Slate – New Departments

- Manufacturing and Supply Chain Department

- Services, Platforms and Revenue Management Department

- Environment, Health and Society Department

- Innovation Department

- Analytics in Operations Department

- Practice Platform
  - DEs will seek for practitioners to write an article (maybe co-authored with an academic) that will highlight exciting new areas in their industry
  - Goal to expose community to interesting problems but also bring practitioners closer to our community

- M&SOM Data Challenge (Gad Allon and Max Shen)

- Plus one more new initiative (Frontiers in Operations)

Criteria for DE selection

- Research Active, Versatility, Involved, Caring about Impact, Dependable/Fast, Broad view, Open Minded, Positive, Thoughtful, Organized, Bandwidth.

- Senior enough, be a full professor or close to it.

- Many people satisfy these criteria so in addition, it was important to:
  - Have an editorial board that is **broad** and **diverse**.
  - Strive for **quality** and at the same time achieve: **diversity** in terms of university representation, country representation, continent representation, gender representation, include DEs from engineering schools in addition to business schools.

New Departments and Department Editors

MANUFACTURING & SUPPLY CHAIN

Wedad Elmaghraby
U. Maryland

Mahesh Nagarajan
UBC

SERVICES, PLATFORMS & REVENUE MANAGEMENT

Mor Armony
NYU

Marcelo Olivares
U. Chile

Guillaume Roels
INSEAD

ENVIRONMENT, HEALTH & SOCIETY

Beril Toktay
GTech

Anita Tucker
BU

Ozlem Ergun
Northeastern

INNOVATION

Kamalini Ramdas
LBS

Francis de Vericourt
ESMT Berlin

ANALYTICS IN OPERATIONS

Melvyn Sim
NUS

Huseyin Topaloglu
(starts in June)
Cornell Tech

PRACTICE PLATFORM

Pavithra Harsha
IBM

Ananth Raman
HBS

PRACTICE-BASED RESEARCH

Jérémie Gallien
LBS

Departments

Where to submit?

The goal is also to provide community with options in terms of which department they can submit.

But if a DE is overloaded, we may need to reshuffle.

Associate Editors

- Starting also with clean slate (per INFORMS guidelines).
- BUT this does not mean that several of the current AEs will not be invited back necessarily.
- We are currently determining our process and criteria for AE selection.
- Our goal is to be transparent!
- Diversity is important to all of us on the board!

More to come!

We are excited to take this journey with you all!

<u>Your ideas and feedback are always welcome!</u>

Operations Research Update

- Turn-around times: assessing AEs, fast-tracking, forward-to-journal for conferences
- Impact: soliciting well-executed surveys, special issues: behavioral queueing, electric power systems, reinforcement learning, online additions: videos, comments, papers
- Potential biases: assessing empirically for action

OR: 2020 Submissions by Area

2020 Submissions

- Decision Analysis
- Environment, Energy, and Sustainability
- Financial Engineering
- Machine Learning and Data Science
- Market Analytics and Revenue Management
- Military and Homeland Security
- OR Practice
- Operations and Supply Chains
- Optimization
- Policy Modeling and Public Sector OR
- Simulation
- Stochastic Models
- Transportation
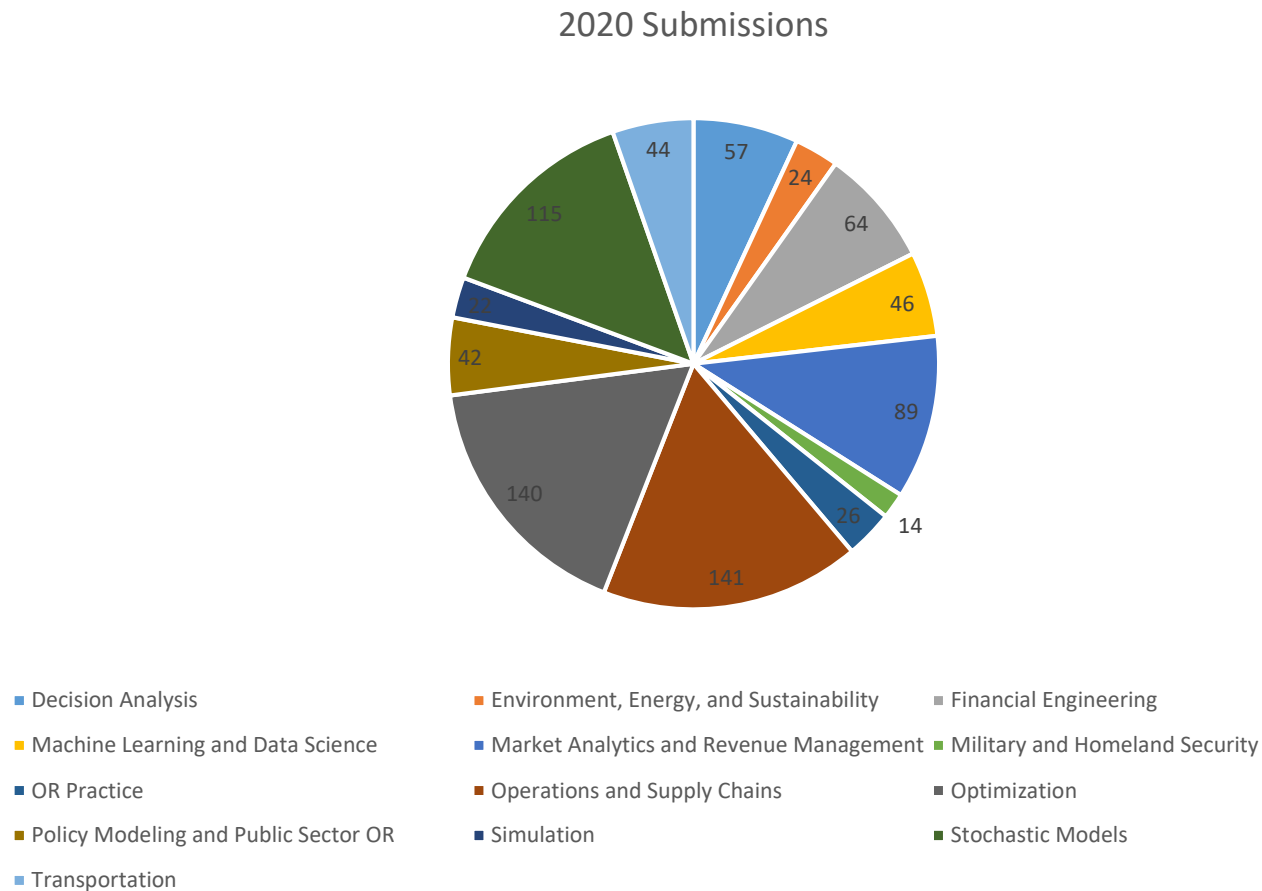
OR Decisions and Timing

Operations Research Journal Dashboard

Q1-3 Original Submissions : Accepts

	2013	2014	2015	2016	2017	2018	2019	2020
Submissions	551	558	559	558	523	596	493	656
Accepts	56	62	84	85	83	86	109	105
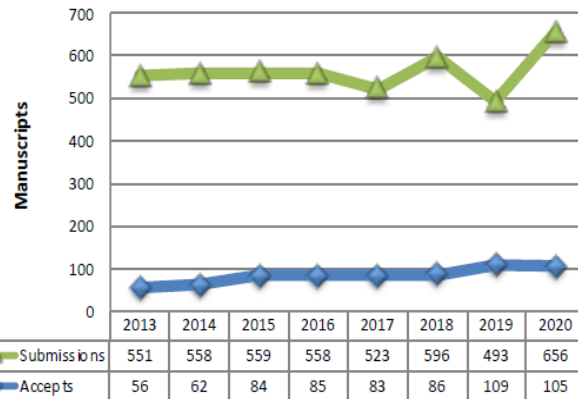
Full-Year Original Submissions : Accepts

	2013	2014	2015	2016	2017	2018	2019	2020
Submissions	720	770	724	727	707	776	662	
Accepts	86	89	91	114	120	111	134	
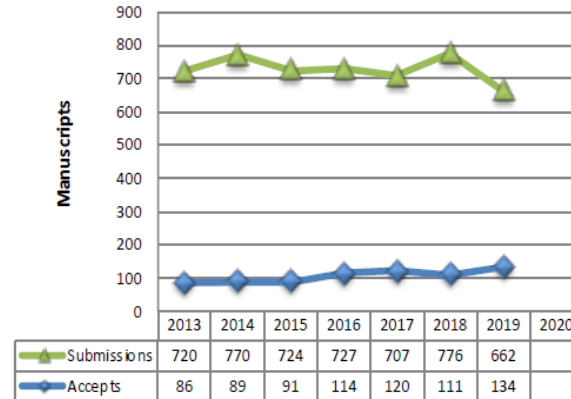
Median Time to First and Final Decisions
(for submissions sent for external review)

	2013	2014	2015	2016	2017	2018	2019	2020 Q1-3
First Decision	134.0	134.0	132.0	143.5	145.0	134.0	139.0	140.0
Final Decision	316.0	401.0	469.0	494.0	462.0	413.0	382.0	286.0

Overall Accept Rate

	OPRE
2013	13.0%
2014	13.0%
2015	15.6%
2016	16.1%
2017	16.9%
2018	16.0%
2019	20.9%
2020 Q1-3	17.2%

Issue Backlog

	OPRE
2013	3.36
2014	2.04
2015	2.42
2016	5.63
2017	8.36
2018	8.60
2019	13.24
2020 Q1-3	11.75
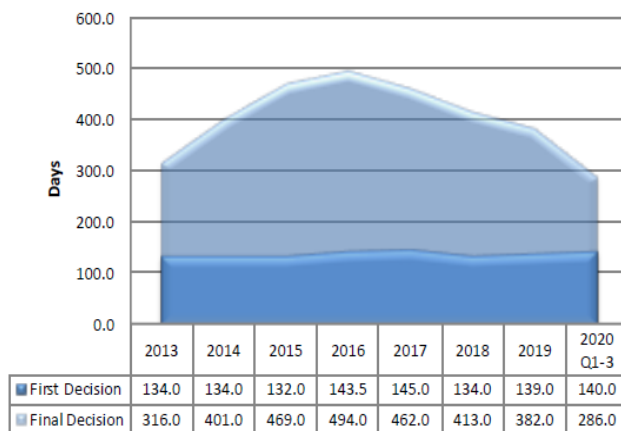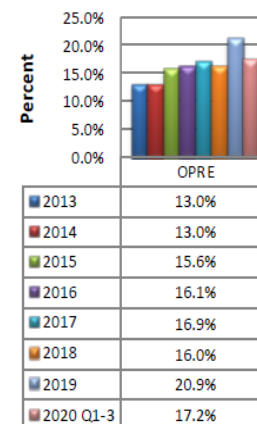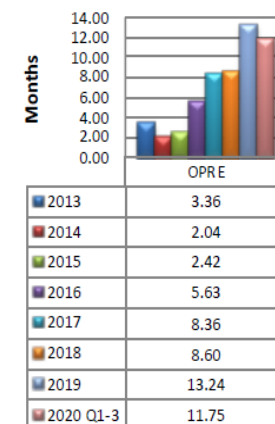
Impact Factors versus Article Influence

Journal	Impact Factor	Article Influence
MANAGE SCI	3.728	3.047
J OPER MANAG	8.229	2.374
MATH PROGRAM	2.471	2.205
OPER RES	2.838	1.992
MATH OPER RES	1.692	1.978
M&SOM-MANUF SERV OP	2.714	1.905
TRANSPORT SCI	3.735	1.725
TRANSPORT RES B-METH	4.833	1.548
J QUAL TECHNOL	2.412	1.300
OMEGA-INT J MANAGE S	4.289	1.215
SYST CONTROL LETT	2.448	1.184
EUR J OPER RES	3.109	1.079
COMPUT OPTIM APPL	1.659	1.063
TRANSPORT RES E-LOG	3.319	1.058
PROD OPER MANAG	2.257	1.049
OR SPECTRUM	2.191	0.991
INFORMS J COMPUT	1.504	0.970
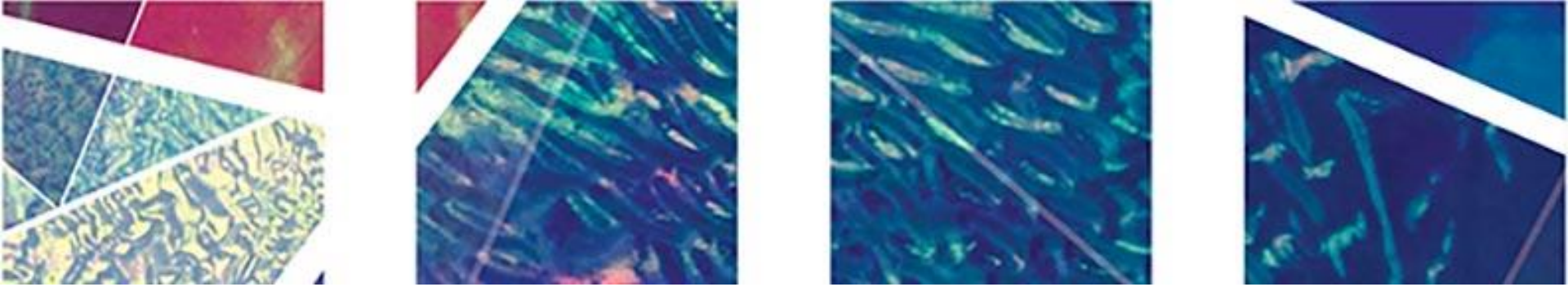
Updates on *Management Science*

MSOM Business Meeting

November 2020

Outline

❑Major Initiatives

❑Submission Volume

❑Cycle Time

❑Acceptance Rates

❑Comments

Major Initiatives

❑ **Data and Code Disclosure Policy**

- Data Editor was appointed in March 2020
- The Data Editor checks the data after a paper is accepted, and randomly checks a subsample of the code to ensure that running the code on the data set produces the results reported in the paper

❑ **Replication Project**

✓ The editorial board initiated a replicability project with the objective to report replicability of laboratory experiments published by MS

✓ Faculty involved include faculty from 5 universities: **Andrew Davis**, **Blair Flicker**, **Kyle Hyndman, Elena Katok**, **Samantha Keppler, Stephen Leider**, **Xiaoyang Long** and **Jordan Tong**.

✓ Based on a community survey, the team selected 10 papers in Inventory Management, Supply Chain, Queueing, Forecasting, and Sourcing.

Major Initiatives (2)

❑ **Virtual Special Issue on Diversity, Equity and Inclusion (DEI)**
- ✓ Compiled a list of papers published in the journal between 2015-2020 related to DEI
- ✓ Our hope is that papers in the special issue will inform policy, impact education, and motivate new research

❑ **New Special Issue on Business and Climate Change**
- ✓ Covering climate change from several functional lenses
  - ➢ Accounting and Finance, Business Strategy, Entrepreneurship and Innovation, Operations, Organizations
  - ➢ Cross-disciplinary emphasizes
- ✓ Submission Deadline: February 28, 2021

Major Initiatives (3)

❑ **New Special Issue on Blockchain and Crypto Economics**

✓ The special issue brings together guest editors from Finance and Operations

✓ The special issue is done in collaboration with the Crypto and Blockchain Economics Research (CBER) Conference organized by Cornell University and the University of Toronto

✓ Submission Deadline: May 15, 2021

Major Initiatives (4)

❑ **Management Science Task Force on DEI**
- ✓ Recommend actions that Management Science can take to expand its diversity, including diversity of authors, editors and published papers, while maintaining scholarly excellence
- ✓ Gather information from other journals on best practices and identify gaps for MS.

❑ **Task Force to Examine Management Science Review Process**
- ✓ Review committee includes people with experience publishing in INFORMS, Computer Science, Economics, Organizational, Medical or Finance journals
- ✓ Report submitted; Review by the Editorial Board.

Number of Submissions

Original Submissions - Regular and Fast Track Papers

Year	# Submissions
2013	2045
2014	2152
2015	2464
2016	2512
2017	2894
2018	2861
2019	3409
2020*	3919
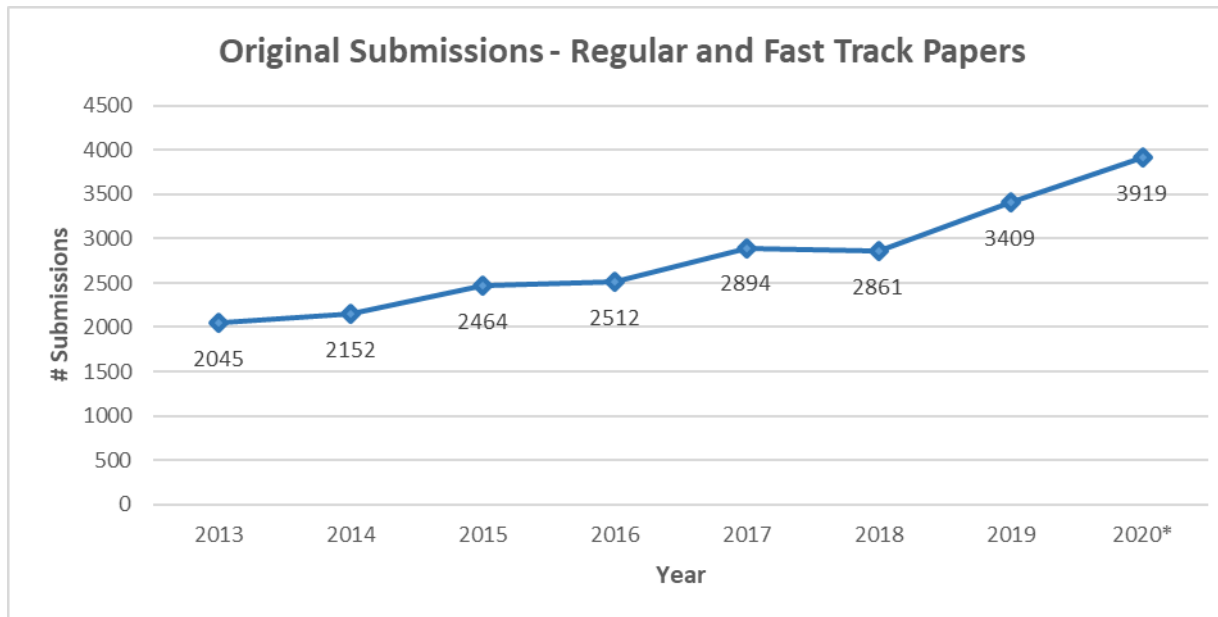
*Data for 2020 represents projection based on Regular and Fast Track papers submitted between January 1, 2020 and September 30, 2020.

Submission Volume--Regular Papers

Original Submissions - Regular Papers									
Department	2013	2014	2015	2016	2017	2018	2019	2020**	2020***
Accounting	91	102	166	191	218	250	280	269	359
Big Data Analytics						50	51	44	59
Business Strategy	144	111	126	120	124	128	128	117	156
Decision Analysis*	438	475	499	524	594	335	381	344	459
Entrepreneurship and Innovation	130	152	149	127	169	149	148	110	147
Finance	431	470	598	655	731	704	828	707	943
Healthcare Management						63	53	65	87
Information Systems	146	126	150	176	205	165	188	151	201
Marketing	180	188	174	165	210	180	189	167	223
Operations Management	261	285	314	295	340	296	304	261	348
Optimization	55	64	78	83	84	68	64	48	64
Organizations	118	120	131	110	143	111	148	145	193
Revenue Management and Market Analytics						45	68	52	69
Special Issue on Data-Driven Prescriptive Analytics						22	182	13	13
Special Issue of Management Science: Business and Climate Change							22	32	43
Special Issue of Management Science: 65th Anniversary							11	3	3
Stochastic Models and Simulation	51	59	79	66	76	55	46	50	67
Yearly Totals	2045	2152	2464	2512	2894	2621	3091	2578	3432

*2013-2017 includes BE and JDM submissions

** January 1, 2020 through September 30, 2020

***2020 Projection

Submission Volume--Fast Track Papers

Original Submissions Fast Track					
Department	**2013-2017**	**2018**	**2019**	**2020***	**2020****
Accounting - Fast Track	0	9	20	22	29
Big Data Analytics – Fast Track	0	7	9	11	15
Business Strategy - Fast Track	0	18	15	19	25
Decision Analysis - Fast Track	0	35	65	50	67
Entrepreneurship and Innovation - Fast Track	0	18	17	19	25
Finance - Fast Track	0	43	52	62	83
Healthcare Management - Fast Track	0	8	10	26	35
Information Systems - Fast Track	0	19	25	29	39
Marketing - Fast Track	0	18	21	25	33
Operations Management - Fast Track	0	25	38	39	52
Optimization - Fast Track	0	10	8	7	9
Organizations - Fast Track	0	22	29	33	44
Revenue Management and Market Analytics - Fast Tra	0	7	5	8	11
Special Issue of Management Science: Business and C	1		1	8	11
Stochastic Models and Simulation - Fast Track	3		3	7	9
Total	**4**	**239**	**318**	**365**	**487**

*January 1, 2020 to September 30, 2020

**2020 Projection

86

Submission Volume: Observations

❑ 15% increase in submission volume relative to 2019

- ✓ The significant increase in submission volume is driven by Accounting, Decision Analysis, Finance & Healthcare Management

❑ Submission volume to Operations Management is projected to be 400 in 2020

- ✓ The introduction of the three new departments cannibalizes papers that in the past would have been submitted to Operations Management
- ✓ Total number of submissions across the four departments represents about 17% (600+) of the total submission volume to Management Science

❑ Fast Track is projected to receive almost 500 papers in 2020, a 50% increase relative to last year.

Cycle Time—Regular Papers

Average Time from Submission to First Decision Regular Papers								
Department	2013	2014	2015	2016	2017	2018	2019	2020*
Accounting	66	79	70	60	61	69	63	50.1
Big Data Analytics						66	79	88.3
Business Strategy	46	53	57	70	51	25	41	36.0
Decision Analysis	35	40	43	47	45	44	59	55.5
Entrepreneurship and Innovation	47	43	45	45	40	44	47	47.4
Finance	52	57	78	76	87	102	96	84.4
Healthcare Management						34	51	52.2
Information Systems	64	80	81	88	91	91	97	87.5
Marketing	60	65	70	70	73	76	80	70.5
Operations Management	47	52	59	78	72	67	76	75.0
Optimization	77	99	95	99	100	91	112	111.5
Organizations	31	26	38	36	33	30	36	45.6
Revenue Management and Market Analytics						61	89	89.4
Special Issue on Data-Driven Prescriptive Analytics						3	76	147.1
Special Issue of Management Science: Business and Climate Change							37	85.8
Special Issue of Management Science: 65th Anniversary							76	116.4
Stochastic Models and Simulation	63	74	48	60	57	61	80	65.4
Average Time to First Decision-Regular Papers	53	61	62	66	65	58	77	**69.0**
*January 1, 2020 through September 30, 2020								

☐ Outstanding cycle time for regular papers

Cycle Time—Fast Track

Average Time from Submission to First Decision Fast Track			
Department	**2018**	**2019**	**2020***
Accounting - Fast Track	17	15	18.1
Big Data Analytics – Fast Track	13	37	46.0
Business Strategy - Fast Track	15	15	12.4
Decision Analysis - Fast Track	18	29	27.7
Entrepreneurship and Innovation - Fast Track	18	20	18.3
Finance - Fast Track	29	58	48.9
Healthcare Management - Fast Track	3	22	30.9
Information Systems - Fast Track	20	43	38.5
Marketing - Fast Track	15	28	18.4
Operations Management - Fast Track	35	38	46.8
Optimization - Fast Track	28	76	31.0
Organizations - Fast Track	14	17	18.8
Revenue Management and Market Analytics - Fast Track	25	47	62.2
Special Issue: Business and Climate Change - Fast Track			35.5
Stochastic Models and Simulation		22	29.5
Average Time to First Decision - Fast Track	21	34	**32.8**
*January 1, 2020 through September 30, 2020			

❑ Fast Track is not primarily about speed but about a different style of writing (and reviewing).

Acceptance Rates

Manuscripts with Final Decision	2013	2014	2015	2016	2017	2018	2019	2020*
Accept	185	235	276	282	272	252	289	**289**
Reject	1787	1824	2030	2164	2504	2346	2547	**2158**
Total	1972	2059	2306	2446	2776	2598	2836	**2447**
Overall Acceptance Rate	**9.4%**	**11.4%**	**12.0%**	**11.5%**	**9.8%**	**9.7%**	**10.2%**	**11.8%**

* January 1, 2020 - September 30, 2020

❑Acceptance rate for papers submitted to BDA, HCM, OM & RMA is 20% (for January 1, 2019-September 30, 2019)

❑Acceptance rate for Fast Track across all departments is 5% (for the same period of time)

Comments

❑Example of Accepted Fast Track papers:

✓The Role of Decision Support Systems in Attenuating Racial Biases in Healthcare Delivery, by Kartik K. Ganju, Hilal Atasoy, Jeffrey McCullough & Brad N. Greenwood

✓Alleviating Drug Shortages: The Role of Mandated Reporting-Induced Operational Transparency, by Junghee Lee, Hyun Seok (Huck) Lee, Hyoduk Shin & Vish Krishnan

We are done!

Let's give a virtual applause to all award winners!