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.
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  – 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
**Gökçe 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

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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 Hosseinzabadi, Yonghua Ji, Bora Kolfal, Ilbin Lee, Alireza Sabouri, Saied Samiedalui, 

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 Samiedalui, 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 Osadchyi
Selvaprabu Nadarajah

Sustainable Operations
Gemma Berenguer
Suvrat Dhanorkar
MSOM Conference 2021
Kelley School of Business
Indiana University
Bloomington, IN
Co-chairs: Alfonso Pedraza-Martinez, Owen Wu
MSOM Conference 2021

- MSOM 2021 will be **either**
  - Virtual on June 6-8\(^{\text{th}}\) (original dates set before the pandemic), **or**
  - Hybrid, between August 4\(^{\text{th}}\) and 18\(^{\text{th}}\), 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
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
Society Update
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).
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• **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)


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
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)


M&SOM Best Paper Award 2020: Winner

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

- “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)
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)
Finalists


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-dimensional logistics 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 provinces

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:


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: Öزالp 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
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
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M&SOM: Updates 2020

CHRISTOPHER S. TANG

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

<table>
<thead>
<tr>
<th>First quarter</th>
<th>Statistics</th>
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</thead>
<tbody>
<tr>
<td>Acceptance rate</td>
<td>13%</td>
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<tr>
<td>Review Cycle Time</td>
<td>86 days (average)</td>
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<td>Long tail – Please help!</td>
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</tbody>
</table>

# of submissions to M&SOM between Jan 1 and Sept 26

Number of Days from Submission to Decision

Number of Manuscripts

30 day Groups

0-30 31-60 61-90 91-120 121-150 151-180 181-210
**M&SOM** is on the rise!
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!
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
Received input from several people from many different schools, countries/continents.


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.
<table>
<thead>
<tr>
<th>MANUFACTURING &amp; SUPPLY CHAIN</th>
<th>SERVICES, PLATFORMS &amp; REVENUE MANAGEMENT</th>
<th>ENVIRONMENT, HEALTH &amp; SOCIETY</th>
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<tr>
<td>Wedad Elmaghraby</td>
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<td>U. Maryland</td>
<td>NYU</td>
<td>GTech</td>
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<td>Mahesh Nagarajan</td>
<td>Marcelo Olivares</td>
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<td>Guillaume Roels</td>
<td>Ozlem Ergun</td>
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<td>INSEAD</td>
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<tr>
<th>INNOVATION</th>
<th>ANALYTICS IN OPERATIONS</th>
<th>PRACTICE PLATFORM</th>
<th>PRACTICE-BASED RESEARCH</th>
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<td>Kamalini Ramdas</td>
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Huseyin Topaloglu *(starts in June)*
Cornell Tech
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.
• 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!

*Your ideas and feedback are always welcome!*
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: 141
- Environment, Energy, and Sustainability: 14
- Financial Engineering: 89
- Machine Learning and Data Science: 46
- Market Analytics and Revenue Management: 64
- Military and Homeland Security: 42
- OR Practice: 44
- Operations and Supply Chains: 24
- Optimization: 140
- Policy Modeling and Public Sector OR: 57
- Simulation: 22
- Stochastic Models: 115
- Transportation: 140
OR Decisions and Timing

Operations Research Journal Dashboard

Q1-3 Original Submissions: Accepts

Full-Year Original Submissions: Accepts

Median Time to First and Final Decisions (for submissions sent for external review)

Overall Accept Rate

Issue Backlog
# Impact Factors versus Article Influence

<table>
<thead>
<tr>
<th>Journal</th>
<th>Impact Factor</th>
<th>Article Influence</th>
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<tbody>
<tr>
<td>MANAGE SCI</td>
<td>3.728</td>
<td>3.047</td>
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<td>J OPER MANAG</td>
<td>8.229</td>
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<tr>
<td>MATH PROGRAM</td>
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<tr>
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<td>MATH OPER RES</td>
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<td>1.063</td>
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<td>3.319</td>
<td>1.058</td>
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<td>2.257</td>
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<td>OR SPECTRUM</td>
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<tr>
<td>INFORMS J COMPUT</td>
<td>1.504</td>
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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

## Submission Volume--Regular Papers

### Original Submissions - Regular Papers

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*2013-2017 includes BE and JDM submissions

** January 1, 2020 through September 30, 2020

***2020 Projection
### Submission Volume--Fast Track Papers

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*January 1, 2020 to September 30, 2020

**2020 Projection
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

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*January 1, 2020 through September 30, 2020

### Outstanding cycle time for regular papers
Fast Track is not primarily about speed but about a different style of writing (and reviewing).
Acceptance Rates

- 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)

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* January 1, 2020 - September 30, 2020
Comments

Example of Accepted Fast Track papers:


✓ 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!