Conference Tracks

Behavior in Operations Management (BIOM)

Michael Becker-Peth, University of Cologne [michael.becker-peth@uni-koeln.de]

Anton Ovchinnikov, Queens University [anton.ovchinnikov@queensu.ca]

The focus of this track is the analysis of human behavior with relevance to operations management, it is open to studies of all aspects of behavior that is not completely determined by perfect rationality. Examples include decision making under uncertainty and complexity, social preferences, team dynamics, decision making across cultures, collaboration across cultures, etc. Research submitted to this track should have a clear operations context. All research methodologies are welcome.

Closed Loop Supply Chains (CLSC)

James Abbey, Texas A&M University College Station [jabbey@mays.tamu.edu]

Papers utilizing all types of methodologies to analyze closed-loop supply chain management principles in the context of environmental sustainability are invited.

Economics Models of Operations (EMO)

Haresh Gurnani, University of Miami [haresh@miami.edu]

We invite submissions that explore economic models in operations management. Submission topics include (but are not limited to) industrial organization theory as related to strategic interactions between firms which may be influenced by government regulations and/or have policy implications; game theory applications involving cooperative or non-cooperative behavior; contract design problems to provide incentives or to induce revelation of private information using adverse selection, moral hazard, or signaling techniques; procurement auctions; pricing; and consumer behavior, etc.

Empirical Research in Operations Management (EROM)

Vinayak Deshpande, University of North Carolina Chapel Hill [Vinayak_Deshpande@kenan-flagler.unc.edu]

Submissions in this track should focus on empirical methodology and application research, and operations or supply chain management research. Specifically, the research should be based on data from sources including but not limited to case studies, controlled experiments, archival records, surveys and simulations. The data could be from any industry including retail, manufacturing, financial, wholesale, and other services, etc. The reported research should apply or advance operations and supply chain concepts and should provide insights helpful to make strategic and operational decisions.Keywords: Econometrics, Time series, Retrospective, Path analysis, Statistics, Analysis of Variance, Case Study, Cluster Analysis, Content Analysis, Empirical Methodology, Data Envelopment Analysis, Event Study, Factor Analysis, Moderation, Mediation, Profile Deviation, Regression, Simulation, Structural Equation Model, Critical Incident, Cross Section, Experiment, Longitudinal, Panel, Population, Sample, Scale Development, Survey, Operations Strategy.

General Track (GENT)

Yusen Xia, Georgia State University [ysxia@gsu.edu]

This track is for any presentation whose topic does not fit well within the other existing tracks.

Conference Tracks

Global Operational Issues (GOI)

Sridhar Seshadri, Indian School of Business [sridhar_seshadri@isb.edu]

Jian Chen, Tsinghua University [chenj@sem.tsinghua.edu.cn]

Zhaofang Mao, Tianjin University [maozhaofang@tju.edu.cn]

The relentless force of globalization has dramatically changed firms operations and supply chain management. As the supply chains extend to emerging markets, firms have to develop strategies to address challenges that they have not encountered in developed market. These challenges call for increasing attentions from the academic community on global operational issues. We seek contributions to bringing new problems in and developing new methodologies to global operational issues with the added emphasis to recent initiatives in BRICS countries.

Healthcare Operations Management (HLTC)

Pengyi Shi, Purdue University [shi178@purdue.edu]

Mor Armony, New York University [marmony@stern.nyu.edu]

Submissions are invited that highlight the effectiveness of operations management in improving overall patient outcomes by enhancing the processes and systems critical to the delivery of healthcare. We seek a mix of research papers that highlight the variety of healthcare operations management approaches tackling both well-known and emerging challenges: (1) research that addresses operations management issues motivated by the healthcare industry, in order to build theoretical knowledge benefitting the greater operations management community; (2) research that adapts operations management techniques in fundamentally novel ways to address healthcare operations issues; (3) and research that applies existing operations management knowledge to solve healthcare issues at one or more healthcare organizations, and therefore demonstrates direct and implementable relevance to other healthcare providers.

Humanitarian and Not-for-profit Operations (HNPO)

Gemma Berenguer, Purdue University [gemmabf@purdue.edu]

We invite quality submissions within the scope of humanitarian operations and not-for-profit operations in its broad sense. We welcome submissions that deal with the humanitarian and emergency management field but we also expect submissions that are focused on building novel POM theory tailored to not-for-profit operations as well as submissions in other applied areas related to not-for-profit management such as education, healthcare, food banks, environment and animals, arts and culture, housing, social entrepreneurship, etc. Issues that are particularly relevant to these operations include but are not limited to: pricing, inventory, procurement and supplier selection, logistics, funds allocation, performance measurement, coordination issues between different donors and/or different recipient organizations, fundraising mechanisms, and management of donations. We are open to modeling, empirical, simulation, conceptual papers as well as case studies.

Information in Operations Management (IOM)

Karthik Kannan, Purdue University [kkarthik@purdue.edu]

Subodha Kumar, Texas A&M University College Station [skumar@mays.tamu.edu]

Submissions to this track should focus on operational aspects related to the development and management of information flows and information systems in operations.

Inventory Management (INVM)

Conference Tracks

Xin Chen, University of Illinois Urbana-Champaign [xinchen@illinois.edu]

Shaohui Zheng, Hong Kong University of Science & Tech [imzheng@ust.hk]

The Inventory Management Track invites a variety of submissions that study the inventory, capacity, and production related topics in manufacturing, service, and retailing operations, including research at the interface of inventory and marketing, finance, and other disciplines. In addition to mathematical models and empirical studies, best practices, case studies, tutorials, and panel discussions are also welcome.

Manufacturing Operations (MANF)

Jatinder Gupta, University of Alabama Huntsville [guptaj@uah.edu]

Manufacturing and Operations management plays a critical role in producing and delivering goods and services to customers. It involves planning, designing, controlling and improving the organization's resources and processes to transform capital, skills, and materials into products and services. Effective management of operations enables companies to gain a competitive advantage by creating cost leadership, exceptional quality, quick response to customer needs, and on-time delivery of products and services to market. It is important that any manufacturing and operations strategy be aligned with the overall business strategy. This track will focus on theoretical and managerial issues in the field of manufacturing and operations management, including manufacturing strategy, capacity planning, collaborative planning and forecasting, advanced manufacturing systems, manufacturing processes, socially responsible operations, project management, total quality management (TQM), lean and six sigma, manufacturing and operational flexibility, agile manufacturing, facility location and network design, facility layout, vehicle routing, enterprise resource planning, etc.

Marketing and OM Interface (MOMI)

Stephen Gilbert, University of Texas Austin [steve.gilbert@mccombs.utexas.edu]

Guoming Lai, University of Texas Austin [guoming.lai@mccombs.utexas.edu]

We invite submissions investigating the interface between marketing (typically charged with generating demand) and operations (typically charged with generating supply), who must jointly work to match supply with demand. The challenge in coordinating these two tightly linked areas creates a fertile ground for research to provide relevant new insights for practice. All methodological approaches to issues at this interface are welcome.

OM practice (OMPR)

Gerry Feigin, Analytics Operations Engineering [gfeigin@nltx.com]

Kay yut Chen, University of Texas Arlington [kychen@uta.edu]

Dinah Cheng, Cisco Systems, Inc [dwhcheng@gmail.com]

The goal of the "OM Practice" track is to enhance the connections of OM academics and researchers to OM practice. We invite submissions from practicing managers and consultants, from academic/industry consortium, and from academics engaged in industry/practice outreach. The submissions should highlight how OM competencies and techniques have enabled/advanced OM practice and/or how OM practice has informed OM research.

Product Innovation and Technology Management (PITM)

Debasish Mallick, University of St. Thomas [dnmallick@stthomas.edu]

Anant Mishra, George Mason University [amishra6@gmu.edu]

We invite submissions that use mathematical or empirical approaches to address the challenges

of the innovation process. For the purposes of this track, this includes product, process, service, and business-model innovation, technology strategy, identification andcommercialization of new technologies, the management of the R&D process, collaborative structures and processes, coordination and incentives. While the track approaches innovation and new product development with an Operations orientation, emphasizing processes and execution, designing successful new products is inherently cross disciplinary, and therefore we encourage close ties to other disciplines. Keywords: Product development, innovation, development process, technology, execution.

Production Planning and Scheduling (PRPS)

Neil Geismar, Texas A&M University College Station [ngeismar@mays.tamu.edu]

We encourage studies of a variety of topics related to production planning and scheduling. Production planning includes, but is not limited to, capacity planning, lot sizing models, design of production systems, design of product and material recovery systems, inventory management, sales and operations planning, and production innovations. Scheduling includes the classical topics of the various shop environments (single-machine, parallel machines, flow shops, job shops, open shops) and is also widely applied in other contexts. One notable example is studies of health care operations that schedule patients' appointments and nurses' shifts; recent works have scheduled operating rooms and other facilities. We also seek studies of Supply Chain Scheduling, in which two functions are coordinated by scheduling their operations so that overall supply chain profits are maximized. Other scheduling topics, e.g., timetabling, are welcome, too.

Purchasing and Supply Management (PRSM)

Sean Handley, University of Notre Dame [shandley@nd.edu]

Justin Jia, Purdue University [jia16@purdue.edu]

Purchasing and supply management is crucial for the effective and efficient operation of manufacturing and service firms. This track is designed to facilitate presentations that advance knowledge and theory of practices evolving in the field of purchasing and supply management. Topics of interest in this track include but are not limited to outsourcing, global sourcing, risk and disruption in the upstream supply chain, supply networks, service purchasing, relationship management and buyer-supplier relationships, supplier innovation, supplier development, contracting, behavioral issues, as well as issues related to sustainability and green supply management. Furthermore, this track welcomes papers based on all types methodologies.

Retail Operations Management (RTOM)

Felipe Caro, University of California Los Angeles [felipe.caro@anderson.ucla.edu]

Moutaz Khouja, University of North Carolina Charlotte [mjkhouja@uncc.edu]

This track focuses on all topics related to the retailing industry. Themes that are of interest include (but are not limited to): retail assortment planning, inventory planning, retail store design, retail network design, Internet and multi-channel retailing, and retail supply chain management. Submissions of papers on the role of technology in retail operations (e.g., RFID technology or Business Analytics) and on the interface of retail operations with other functions (e.g., finance or marketing) are also encouraged. The track is open to papers based on all types of methodologies, including theoretical, empirical, and field based research.

Revenue Management and Pricing (RVMP)

Ying-Ju Chen, Hong Kong University of Science & Tech [imchen@ust.hk]

Conference Tracks

Ming Hu, Rotman School of Management [ming.hu@rotman.utoronto.ca]

We invite submissions on revenue management and pricing (RMP). The research can be on pricing optimization or study other aspects of pricing. There are no restrictions on research methodology used or in application areas. We encourage research papers on applications of RMP to new industries as well as research that build analytical models, use empirical methods, or study behavioral issues related to RMP.

Risk Management in Operations (RMO)

Lingxiu Dong, Washington University St Louis [dong@wustl.edu]

We invite submissions on the general theme of risk management in supply chains, including, but are not limited to, cost, disruption, quality, reputation, and yield risks, and strategies/tactics to manage these risks. We welcome research papers based on all types of methodologies, e.g., analytical, behavioral, empirical, and field-based, as well as interdisciplinary approaches.

Scheduling and Logistics (SCHL)

Charles Munson, Washington State University Pullman [munson@wsu.edu]

Scheduling and logistics are important fields in operations management. Major topics in these fields include, but are not limited to, machine scheduling, workforce scheduling, vehicle routing, distribution, warehousing, cargo handling, transportation, transshipments, material flow, coordination of resources and operations, procurement, and other aspects of supply chain management.

Service Operations (SERV)

Itai Gurvich, Northwestern University [i-gurvich@kellogg.northwestern.edu]

Tingliang Huang, Rensselaer Polytechnic Institute [huangt6@rpi.edu]

This track is designed along the objectives of the POMS College of Service Operations. We invite submissions from scholars and practitioners interested in all aspects of research, teaching, and practice in Service Operations Management. Subjects may include, but are not limited to, service measurement, service productivity, service supply chains, product-service systems, service design, service quality, service recovery, lean service, IT-enabled services, service innovation, service analytics, service organizational design and structures, service value, performance management systems in services, coordinating service strategy and operations, behavioral service operations, global service operations, non-profit services operations, public services operations, and teaching service operations. We welcome all research methodologies, including theoretical, empirical, case studies and field studies, presentations from practitioners, and papers on teaching service operations. Tutorials and panel sessions are also encouraged.Keywords: inter-disciplinary studies in services, global services, non-profit and public services, service organizational design, service strategy, service innovation, service analytics, service practice, and teaching service operations.

Supply Chain Management (SCHM)

Lauren Lu, University of North Carolina Chapel Hill [lauren_lu@unc.edu]

Ann Marucheck, University of North Carolina Chapel Hill [ann_marucheck@unc.edu]

We invite submissions that explore various managerial issues in supply chains. To gain competitive advantage in today's global market, it is crucial for firms to carefully manage the three essential flows of supply chains: materials, information, and money. We welcome

theoretical research works that develop models or tools to analyze these essential flows and draw managerial insights into improving supply chain performance. We also welcome empirical and experimental examination of real-world supply chain behaviors.

Sustainable Operations (SUST)

Tharanga Rajapakshe, University of Florida [tharanga@ufl.edu]

Mili Mehrotra, University of Minnesota [milim@umn.edu]

This track is open to papers that apply operations management principles in the context of environmental, social and economic sustainability. We welcome papers based on all types of methodologies, including theoretical, empirical, and field-based research.

Tutorials and Panel Discussions (TUT)

George Shanthikumar, Purdue University [shanthikumar@purdue.edu]

The tutorial session will have one expert on the topic giving a 30-minute presentation followed by a 30-minute panel discussion. Following the tutorial, there will be a special issue edited by the panelist on this topic in POMS journal. The call for paper will be distributed after the conference.