



Decision Sciences Institute
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Northeast Decision Sciences Institute

53rd Annual Conference

April 4 –6, 2024

Cambridge, MA

**THE LEGACY OF INNOVATION IN DECISION SCIENCES:
REFLECTION AND FORWARD THINKING**





NEDSI 2024

Northeast Decision Sciences Institute

53rd Annual Conference

**THE LEGACY OF INNOVATION IN DECISION SCIENCES:
REFLECTION AND FORWARD THINKING**

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April 4 –6, 2024

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■ Welcome



OFFICE OF THE MAYOR

E. Denise Simmons, Mayor

2008–2009 | 2016–2017 | 2024–2025

March 28, 2024

Northeast Decision Sciences Institute
c/o Hyatt Regency Boston/Cambridge
575 Memorial Dr
Cambridge, MA 02139

Welcoming Northeast Decision Sciences Institute To Cambridge

Dear Friends of the Northeast Decision Sciences Institute:

On behalf of the people of Cambridge, it is with great pleasure and enthusiasm that I extend a warm welcome to the Northeast Decision Sciences Institute (NEDSI) as you convene your 53rd Annual Conference in our esteemed city. Given the work that you are engaged in, it is quite fitting that the City of Cambridge – a true international hub for scientific discovery, research, and innovation – is hosting this year's NEDSI conference.

NEDSI, a regional division of the Decision Sciences Institute, is internationally recognized as a scholarly professional organization that fosters forums to create, enhance, and improve managerial decision-making by integrating all the disciplines of the decision sciences. NEDSI conferences are well known for the research contributions presented by both practitioners and scholars. Your work has a dynamic and positive impact upon how we act in the present, and how we prepare for the future.

The City of Cambridge is truly honored to host this year's conference, a choice that aligns seamlessly with our commitment to fostering intellectual exchange and advancement. As you immerse yourselves in the conference proceedings, I encourage you to explore the rich tapestry of Cambridge's offerings – from the serene beauty of the Charles River Esplanade to the captivating exhibits of the MIT Museum and the storied halls of Harvard University and Harvard Square. I invite you to indulge in all the rich experiences our city has to offer, and I hope that your stay is filled with enriching experiences and meaningful connections!

Sincerely,

A handwritten signature in black ink, appearing to read "E. Denise Simmons".

Mayor E. Denise Simmons

■ Welcome



As the Executive Vice President and Provost of Bridgewater State University, I would like to extend a warm welcome to all participants at the 2024 Annual Conference of the Northeast Decision Sciences Institute (NEDSI) taking place in the historic city of Cambridge, Massachusetts. It is my pleasure and my privilege to have our university serve as co-hosts for this wonderful gathering of scholars, practitioners, and students.

Since 1840, Bridgewater State University has transformed the lives of countless students. As we prepare these individuals for lifelong learning, growth, and advancement, we do so by adhering closely to our University motto—"Not to be ministered unto, but to minister". Bridgewater State has remained steadfast in its commitment to empower individuals and advance the public good.

We are proud to partner with NEDSI to support their annual conference where knowledge is shared, impactful research is presented, and scholars can interact with practitioners in a dynamic and collegial environment. I wish you all the very best for a productive and memorable conference experience.

Sincerely,

Karim Ismaili
Executive Vice President and Provost
Bridgewater State University

■ Welcome



On behalf of the Ricciardi College of Business at Bridgewater State University, I would like to welcome you to Cambridge, Massachusetts for the 53rd Annual Conference of the Northeast Decision Sciences Institute (NEDSI). We are delighted to serve as co-host for this year's event and we look forward to the sharing of scholarly research, knowledge, and experiences by each attendee!

Here in the Ricciardi College of Business (RCOB), we offer majors in Accounting & Finance, Management & Marketing, and Aviation. As we deliver courses in these disciplines, we pride ourselves on advancing the 3 pillars of our academic foundation. The first pillar is our rigorous business curriculum that has resulted in wonderful achievements for our students—from our accounting students who earn some of the highest first-time pass rates on the CPA exam, to our flight students who consistently obtain high first-time pass rates on their FAA exams, to our management students who successfully matriculate through our SHRM-certified HR major.

The second pillar is our emphasis on Experiential Learning. Through our Collaborative University Business Experiences (CUBEs) Initiative, students work directly with local/regional/national businesses to apply business theories to real-world problems that provide solutions for the company. In addition, our students regularly participate in other hands-on learning experiences such as conducting an internship for a Fortune 500 company, or selecting stocks for our \$200,000 student-managed investment portfolios.

Our third and final pillar is deep student engagement. Through our Center for Entrepreneurship and Small Business, students can learn how to start and manage their own business. And through our Bear BID competition—which is modeled after Shark Tank ©—students can compete for thousands of dollars to get a head start on their company. And when we include the fact that our aviation students regularly take flight in one of our 12 aircraft, the sky truly is the limit for BSU graduates!

So, once again, we welcome you to the 2024 NEDSI Conference and we hope that this will be the first of many visits you make to this historic and growing region!

Jeanean Davis-Street
Dean, Louis M. Ricciardi College of Business
Bridgewater State University

■ Welcome

SAINT JOSEPH'S UNIVERSITY

OFFICE OF THE DEAN
ERIVAN K. HAUB SCHOOL OF BUSINESS



On behalf of Saint Joseph University's Haub School of Business, I welcome all participants of the 2024 Northeast Decision Sciences Institute (NEDSI) Annual Conference. NEDSI 2024, taking place in Cambridge, is an excellent opportunity for scholars, researchers, practitioners, and students to present their work and engage in the networking that is so important to advancing knowledge and teaching. The organizing committee has done an excellent job in planning a conference that will provide for the needs of attendees and run smoothly.

The Haub School of Business and our faculty have a long history of involvement in and support of NEDSI and its parent institution, the Decision Sciences Institute (DSI). With NEDSI 2024, we are broadening and deepening that involvement and support.

Both Cambridge and Philadelphia are historic cities. Both Boston/Cambridge and Philadelphia are thought of as college towns, with the per capita representation of students about the same (Boston/Cambridge ~7 per 100, Philly ~5.5 per 100 [Bloomberg and Statista]). So, it is fitting that if NEDSI 2024 wasn't going to be held in Philadelphia that it is in Cambridge.

The Haub School of Business is delighted to co-host NEDSI 2024 as part of our commitment to advance the field of decision science and scholarship and teaching in the Jesuit tradition. I hope that NEDSI 2024's researchers, scholars, practitioners, and students have a rewarding and enjoyable conference!

Sincerely,

Joseph DiAngelo, Jr., Ed.D.
Dean and Professor, Haub School of Business Saint Joseph's University

■ Welcome



Neil Desnoyers
Saint Joseph's University



Xiangrong Liu
Bridgewater State University

Welcome to NEDSI 2024!

52nd Annual Conference of Northeast Decision Sciences Institute

On behalf of the entire NEDSI Board and Organizing Committee, we would like to welcome you to the 53rd Annual Conference of NEDSI which is taking place April 4-6, 2024. The theme of the conference is “The Legacy of Innovation in Decision Sciences: Reflection and Forward Thinking.” With the numerous endeavors of scholars, leaders, and volunteers, we are excited to offer you once again a variety of paper sessions, panel sessions, and workshops. In addition, there will be a student poster session. The conference will provide excellent opportunities for professional development and networking.

The board and organizing committee will continue to work very hard during the next few months to put together a great 2024 conference. In addition to our sincere gratitude to the entire NEDSI board, we are very grateful to Dr. Jeanean Davis-Street, Dean of the Ricciardi College of Business at Bridgewater State University and Dr. Joseph A. DiAngelo, Dean of the Erivan K. Haub School of Business at Saint Joseph's University, without whom it would not be possible to host the conference. Saint Joseph's University and Bridgewater State University are the host institutions for NEDSI 2024.

The venue for NEDSI 2024 is the Hyatt Regency in Cambridge, Massachusetts, located alongside the beautiful (and famous) Charles River, which flows near the heart of the Boston/Cambridge innovation hub. There is a special conference group rate for room reservations made by March 4, 2024 (2024 NEDSI Guest Room reservation link). Conference attendees are also invited to join us on a tour of the MIT Museum on Saturday afternoon (April 6).

On behalf of the NEDSI board, we wish you all the best and know you will find NEDSI 2024 fruitful and enjoyable.

Best regards,

Neil and Xiangrong
NEDSI 2024 Co-Chairs.



Dr. Sam Ransbotham is a professor of analytics at Boston College's Carroll School of Management. He teaches "Analytics in Practice" and "Machine Learning and Artificial Intelligence." Ransbotham served as a senior editor at Information Systems Research, associate editor at Management Science, and academic contributing editor at MIT Sloan Management Review. He co-hosts the [Me, Myself, and AI](#) podcast, available on all major platforms. Ransbotham received a National Science Foundation Career Program award "in support of early-career faculty who have the potential to serve as academic role models in research and education," for his analytics-based research in security. He was also honored with an [INFORMS ISS Sandra A. Slaughter Early Career Award](#), which recognizes "early career individuals who are on a path towards making outstanding intellectual contributions to the information systems discipline." Ransbotham earned a bachelor's degree in chemical engineering, an MBA, and a doctorate, all from the Georgia Institute of Technology. Before earning his doctorate, he founded a software company with a globally diverse client list including the United Nations IAEA (Vienna), FAO (Rome), WHO (Geneva), and WMO (London). Since 2015, he has been an editor for MIT SMR's Big Ideas initiatives, including [Artificial Intelligence and Business Strategy](#), and [Competing With Data & Analytics](#).

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DEANS PANEL



Dr. Jeanean Davis-Street currently serves at Bridgewater State University (BSU) as the Dean of the Ricciardi College of Business. During her time in the Dean's Office, she has initiated several new programs including BSU Student-Managed Investment Fund (SMIF), "Talk Notes" Business Panel, BSU to Boston Bus Trip, and BSU Bear BID Competition. ¶

Dr. Davis-Street attended Florida State University, where she received dual bachelor's degrees in finance and Multinational Business within four years. After receiving her undergraduate degrees, she then received one out of twenty annual awards from the McKnight Doctoral Fellowship/Florida

Endowment Fund, where she went straight into the doctoral program at the University of South Florida, earning a Ph.D. in Finance. □



Dr. Eda Sanchez-Persampieri is the Founding Dean at LIM College's Marcuse School of Graduate Studies, with a focus on merging entrepreneurship and creative industries through curriculum development. Her past leadership roles within the fashion supply chain complements her academic credentials from Johnson & Wales University, St. Joseph's University, and the Fashion Institute of Technology, SUNY. Additionally, she has entrepreneurship training from Babson College and the Ewing Marion Kaufman Foundation/The Levin Institute, SUNY, and has studied education and curriculum development at CUNY's Graduate Center, Touro College, and LIU. ¶

□



Oya I. Tukel, Ph.D. is Dean of Martin Tuchman School of Management at NJIT. Prior to joining NJIT, Dr. Tukel was Associate Dean and Professor of Operations and Supply Chain Management at Cleveland State University. As a renowned scholar, Dr. Tukel has published manuscripts, book chapters, and open educational resources in the areas of Project Scheduling, Innovation, and Supply Chain Management for highly ranked international academic and practitioner journals and in the Ohiolink Library System with over 4000 citations. She has held Associate Editor and editorial board member positions for academic journals, chaired doctoral

committees, and made numerous conference presentations. She has been involved in training programs and consulting in Project Management, Innovation Management, and Supply Chain Management in the United States, Europe, and Asia. She has received numerous teaching, service, and research awards, including the Nance Applied Business Scholar in 2005 and two Fulbright Specialist awards in 2016 and 2019. Dr. Tukel has been honored with the ROI-NJ Women in Business Top 40 Award and the Executive Women of New Jersey Salute Award, recognizing her outstanding contributions to the business community. ¶



Dr. Yi Yang is the Associate Dean of Graduate Studies and Research at the Manning School of Business UMass Lowell. She joined UMass Lowell in 2006 after receiving her PhD in Business Administration from Drexel University. Before becoming the Associate Dean, she had taken a variety of leadership positions at UMass Lowell, including Department Chair of Marketing Entrepreneurship and Innovation (2017-2022), the Manning PhD program director (2014-2017), co-director of the Jack M. Wilson Center for Entrepreneurship (2019-present). She was the board director at the Eastern Academy of Management (2016-2020). ¶

As researcher, Dr. Yang has established her reputation as an expert on technological innovation and corporate entrepreneurship. She has published her research in several Financial Times Top 50 business journals such as Journal of Business Venturing, Journal of Management Studies,

Research Policy, Strategic Entrepreneurship Journal and Strategic Management Journal, and received several grants as PI or Co-PI from UMass Lowell, the UMass System, the Department of Energy, NSF I-Corps and US Army in support of teaching and research in the areas of entrepreneurship and technology innovation. ¶

□



Dr. Aleksandar (Sasha) Tomic is Associate Dean for Strategy, Innovation, & Technology, and Director of the Master of Science in Applied Analytics and Master of Science in Applied Economics programs at the Boston College's Woods College of Advancing Studies. He also holds appointments as Associate Professor of Practice in the Economics department of Morrissey College of Arts and Sciences and Operations Management Department of Carroll School of Management. Dr. Tomic leads strategic initiatives at the College, especially in online education. □

■ ABOUT

The Decision Sciences Institute

The Decision Sciences Institute (DSI) is a professional organization of academicians and practitioners interested in the application of quantitative and behavioral methods to the problems of society.

Through national, international and regional conferences, competitions and publications, the DSI provides an international forum for presenting and sharing researching the study of decision processes across disciplines. The DSI also plays a vital role in the academic community by offering professional development activities and job placement services.

Five regional subdivisions in the United States, as well as regions representing Europe, Asia-Pacific and the Indian subcontinent, operate within the DSI. Each region has its own elected officers and representative on the Board of Directors and holds annual meetings.

The DSI, an independent nonprofit educational organization, is located in Houston, Texas, where it receives extensive support from the C.T. Bauer College of Business at the University of Houston.

Northeast Decision Sciences Institute

The Northeast Decision Sciences Institute (NEDSI) is one of five regions in the Americas Division of the professional society, the Decision Sciences Institute. This region encompasses the Northeastern United States. NEDSI holds an annual regional meeting each spring that features presentations of original research papers, Ph.D. and new faculty development seminars, a placement service, case writing and other interesting innovations in the fields of accounting, business education, finance, HRM, management, marketing, MIS/DSS/expert systems and IT, organizational behavior, operations management, strategic management, and supply chain management, among others. Awards for “Best Paper” in several categories are given each year.

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■ NEDSI 2024 Lifetime Service Award



Douglas Hales, University of Rhode Island

Professor Doug Hales has been a member of the Decision Sciences Institute for 25 years, with almost 20 years at NEDSI. He has served a Track Chair in multiple DSI and NEDSI conferences, as well as positions on the national Awards Committee, Marketing Committee, NEDSI Program Chair, NEDSI President, Board Member and the Advisory Council. His PhD is in Management from Clemson University. He designed and started the Supply Chain Management program at URI in 2005 and has held the positions of Area Coordinator, Associate Dean, and multiple university and college committees. His research interests are in process improvement, port competition, and most recently in digital twinning. He has 40 publications, 100+ presentations, and has taught supply chain management in 12 countries. He has won numerous teaching and research awards at the university and college levels.

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Raktim Pal, James Madison University | palrx@jmu.edu

Sustainability

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Teaching and Innovative Education

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Undergraduate/Master Student Poster Competition

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Kathleen Ferris-Costa, Bridgewater State University | kferriscosta@bridgew.edu

Krista Hill, Babson College | khill@babson.edu

■ CONFERENCE REVIEWERS

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College of Business
Program Chair, NEDSI 2018

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Eric W. Stein

**Penn State Great Valley
School of Graduate Professional Studies
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Douglas N. Hales

**University of Rhode Island
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Neşet Hikmet

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Krista Hill	Babson College
Kellyann Berube Kowalski	UMass Dartmouth

■ BEST PAPER AWARDS

Best Application of Theory Award

A Comparative Analysis of ChatGPT, Bard, Snapchat, Hugging, and Perplexity on Unintentional Biases
Cooper Warrington, University of North Georgia
Tamirat Abegaz, University of North Georgia

Best Contribution to Theory Award

AI Alignment Theory
Alexander Pelaez, Hofstra University
Jim Samuel, Rutgers University
Amal Jacobson, Progressive School of Long Island
Elaine Winston, Hofstra University

Bryant University Best Paper Award in Supply Chain Management and Logistics

Distribution Contracts for Digital Content Supply Chains in the Presence of Piracy
Prasenjit Mandal, NEOMA Business School
Abhishek Roy, Temple University

Richard Briotta Best Paper Award in Knowledge Management/Strategy

AI-Enhanced Decision-Making: Integrating Best Practices with Expert Insight
Andres Fortino, New York University
Weiyun Zhang, New York University

David M. Levine Best Paper Award in Innovative Education

Introducing Business Analytics Using a Demonstration Model - An Implementation Perspective
Kenneth Sousa
Bryant University

Best Ph.D. Student Paper Award

CT's BIL: Preparing Techs for EV Transition
Saddam Alkhamaiesh, University of Bridgeport

Best Overall Conference Paper Award

Distribution Contracts for Digital Content Supply Chains in the Presence of Piracy
Prasenjit Mandal, NEOMA Business School
Abhishek Roy, Temple University

■ **UNDERGRADUATE/GRADUATE RESEARCH POSTER PARTICIPANTS -2024**

UNDERGRADUATE STUDENTS RESEARCH POSTERS

It's All in the Eyes: How Augmented Reality (AR) is Changing Consumer's Behavior

Obyda Al Shayeb

Salve Regina University, Newport, USA

University Spirit Wear Sales: Drivers and Outcomes

Nicholas Conway, Nicholas Cross, Ashton Nicholas Kao, Nicholas Theroux

Boston College, Chestnut Hill, USA

SUSTAINABLE PRACTICES AT THE DINING HALLS IN BRIDGEWATER STATE UNIVERSITY AND HEILBRONN UNIVERSITY

Isabelle Darcy

Bridgewater State University, Bridgewater, USA

INVESTIGATING RELATIVE EFFICIENCY OF SELF-STORAGE FACILITIES USING DATA ENVELOPMENT ANALYSIS (DEA)

Devin Echavarria, Kyle Grund, EunSu Lee

New Jersey City University, Jersey City, USA

THE USE OF DATA ANALYTICS IN SOCIAL MEDIA FOR DATA-DRIVEN MARKETING STRATEGIES

Joceline Guerra, Lina Larrotta

Kean University, Union, USA

COMPARING CONSUMER-ORIENTED AND PRODUCT-ORIENTED MARKETING ACROSS GENERATIONS

Rachel Hennessey

Kean University, Union, USA

CHANGES IN GLOBAL TRADE POLICIES AND THEIR IMPACT ON INTERNATIONAL RELATIONS

Yurim Kim^{1,2}, Juhyun Lee^{1,2}, EunSu Lee¹

¹New Jersey City University, Jersey City, USA. ²Inha University, Incheon, Korea, Republic of

The Use of Data Analytics in Social Media for Data-Driven Marketing Strategies

Lina Larrotta, Joceline Guerra

Kean University, Union, USA

A LONGITUDINAL STUDY OF GLOBAL WARMING DISCUSSION ON SOCIAL MEDIA

Suhong Li, Connor Emery

Bryant University, Smithfield, RI, USA

EXAMINING THE IMPACT OF INCOME AND SPENDING HABITS ACROSS GENDER UNDER FOOD PRICE INFLATION

Tram Lu, Sanjeev Jha

Western New England University, Springfield, USA

Comparing Machine Learning Algorithms in the Context of Antiviruses

Reese Martin, Robby Pava, Sushma Mishra

Robert Morris University, Moon Twp, USA

How Did We Get Here? A Timeline of the Advancement of AI Through the Pages of Literature

Tina Nosrati, Ali Al-Juboori

Ramapo College of New Jersey, Mahwah, USA

■ **UNDERGRADUATE/GRADUATE RESEARCH POSTER PARTICIPANTS -2024**

THE IMPORTANCE OF SUSTAINABLE BUSINESS PRACTICES

Scott Papisodoro

Bridgewater State University, Bridgewater, USA

ITALIAN FASHION TRENDS: HOW CONSUMER BEHAVIOR CONCEPTS EFFECT INTERNATIONAL DECISION-MAKING

Maya Parady, Megan Ranucci, Nadia Abgrab Noormohamed, Cassandra Onorato
Salve Regina University, Newport, USA

USING AI CHATBOTS TO COLLECT SECONDARY SOURCE DATA ON SUSTAINABILITY INFORMATION SYSTEMS

Ziqiao Qin, Thomas Abraham
Kean University, Union, USA

Social Robots, Consumers, and UX: A Field Study of a Commercial Social Robot in Education

Camaren Rogers, Nicholas Brown, Anshu Arora, Amit Arora
University of the District of Columbia, District of Columbia, USA

THE IMPACT OF REAL ESTATE INVESTMENT TOKENS ON CLIMATE CHANGE

Megha Saju, Ajim Uddin
New Jersey Institute of Technology, Newark, USA

The ARTificial Intelligence of Video Game Design

Devon Tolbert
York College of Pennsylvania, York, USA

Climate Change Impact on the American Northeast Agricultural Supply Chain

Brian Villanueva, John Visich
Bryant University, Smithfield, USA

The Effect of Team Member Personality & Shared Leadership & the Mediation Effect of Team Cohesion

Yuhang Wang, Min-Chen Tsai
Kean University, Union, USA

GRADUATE STUDENTS RESEARCH POSTERS

Blockchain Adoption in Counterfeit-Affected Reverse Supply Chains: An Evolutionary Game Approach

Sahar Ebrahimi Bajgani¹, Davoud Hosseinezhad², Sara Saberi¹, Fuminori Toyasaki³

¹Worcester Polytechnic Institute, Worcester, USA. ²Univeristy of Limerick, Limeick, Ireland. ³York University, Toronto, Canada

EXPLORING ONLINE MBA PROGRAM FEASIBILITY THROUGH STUDENT SURVEYS

Olivia Ball, Kathleen Ferris
Bridgewater State University, Bridgewater, USA

BRIDGING THE ATTENTION SPAN GAP FOR GENERATION Z IN HIGHER EDUCATION

Susan Kumari Basel, Ellen Belitzky
University of New Haven, West Haven, USA

SIMPLIFYING PROFITS WITH PURPOSE: EXPLORING ESG RATINGS AND THEIR RELIABILITY

Suraj Chatakonda, Ellen Belitzky
University of New Haven, West Haven, USA

TECHNOLOGY INTEGRATION OPPORTUNITIES FOR THE ALZHEIMER'S ASSOCIATION

Henrietta Emeka, Ellen Belitzky
University of New Haven, West Haven, USA

■ **UNDERGRADUATE/GRADUATE RESEARCH POSTER PARTICIPANTS -2024**

BEYOND CONVENTIONAL TACTICS: TARGETED MARKETING AND CAUSAL INFERENCE MODELS

Sai Goutham Jana, Ellen Belitzky
University of New Haven, West Haven, USA

CONSUMER BEHAVIOUR USING PREDICTIVE ANALYTICS

Prabhjeet Kaur, Ellen Belitzky
University of New Haven, West Haven, USA

VIRTUOUS INTERGRATIVE SOCIAL ROBOTICS (VISR): GOVERNANCE AND HUMAN-ROBOT INTERACTION (HRI)

Arlene Marshall, Amit Arora, Anshu Arora
University of the District of Columbia, Washington, DC, USA

HOW DOES THE INTERNET OF THING AFFECT SUPPLY CHAIN MANAGEMENT

Sabina Ramazanova, EunSu Lee
New Jersey City University, Jersey City, USA

The Effect of ESG disclosure and Diversity on Coporate Performance and Risk

Irena Vodenska, Yunzhu Piao, Ansheng Fan
Boston University, Boston, USA



Conference Program Schedule of Presentations

April 4 - 6, 2024

**Hyatt Regency
Cambridge, MA**

Special Panel Sessions

Deans Panel

Friday, April 5 10:00 am

Location: Central Square

Chair: Jeanean Davis-Street

- * Dr. Jeanean Davis-Street (Dean, RCOB, Bridgewater State University)
- * Dr. Oya Tukul (Dean, Martin Tuchman School of Management, New Jersey Institute of Technology)
- * Dr. Eda Sanchez-Persampieri (Dean, Marcuse School of Graduate Studies, LIM College)
- * Dr. Yi Yang (Associate Dean, College of Business, University of Massachusetts at Lowell)
- * Dr. Aleksandar Tomic (Associate Dean, Woods College of Advancing Studies, Boston College)

Meet Editors Panel

Friday, April 5 3:00 pm

Location: Central Square

Chair: Joy Field

- * Dr. Xenophon Koufteros (Editor-in-Chief of Decision Sciences Journal)
- * Dr. Pedro Reyes (Associate Editor for Decision Sciences Journal of Innovative Education)
- * Dr. Joy Field (Deputy Editor for Service Science)
- * Dr. Arash Azadegan (Associate Editor for Journal of Supply Chain Management)

Keynote Speaker

Friday, April 5 5:00 pm

Location: Amesbury D

Keynote Speaker: Sam Ransbotham

Title: Using AI? Great. But Using AI No Longer Differentiates

Thursday, 4 April

7:30 am **Registration**
Lobby-Courtyard

7:00 am **Continental Breakfast**
Courtyard Foyer-Lobby Level

8:00 am **HEL-1: Application of Analytics to Improve Healthcare Delivery**
Harvard Square B
Chaired by: Arvind Sharma

Using Analytics to Support Customized Training for Time-Dependent Patient Prioritization

»[Jaeyoon Hwang](#)¹, John Maleyeff¹, Tianyu Xu¹, Xinran Yu¹(1. Boston University)

The Predictive Factors of Hospital Bankruptcy: A Longitudinal Analysis

»Brad Beauvais¹, Zo Ramamonjiravelo¹, C. Scott Kruse¹, Ramalingam Shanmugam¹, [Arvind Sharma](#)², Aleksander Tomic², Larry Fulton²(1. Texas State University, 2. University of Rochester Medical Center)

Can Machine Learning Help Us Predict Risk Factors For COPD Readmission?

»Behrad Barghi¹, Bishal Gyawali², Daniel Croft², Nasibeh Azadeh-Fard¹(1. Rochester Institute of Technology, 2. University of Rochester Medical Center)

8:00 am **AFE-1: Topics and Banking & Finance**
Kendall Square
Chaired by: Theologos Homer Bonitsis

The Relationships Among Real Estate Markets, Mortgage Rates And The Covid-19 Cases

»[Howard Lee](#)¹(1. Commonwealth University of PA)

Cybersecurity Challenges for the Banking Industry

»[Demetri Tsanacas](#)¹(1. William Paterson University)

8:00 am **SCM-6: Literature Review, Framework, and Concept**
Inman Square
Chaired by: Afroz Moatari-Kazerouni

Challenges And Barriers In Vaccine Supply Chain: A Systematic Literature Review Between 2000 & 2021

»[Fatma Pakdil](#)¹(1. Eastern Connecticut State University)

A Comprehensive Framework to Supply Chain Resilience and Sustainability

»[Afroz Moatari-Kazerouni](#)¹, Yvonne Lederer Antonucci¹, John Joseck¹(1. Widener University)

Beyond Robustness: Exploring Supply Chain Fragility And Stability

»[Henry Adobor](#)¹(1. Quinnipiac University)

Comparing Supply Chain Publications In Academic Journals And News Papers During The Pandemic

»[Suhong Li](#)¹(1. Bryant University)

Continued from Thursday, 4 April

8:00 am **DATA-3: Measuring and Improving Service and Efficiency**
Central Square
Chaired by: Jae-Dong Hong

Exploring Airline Customer Satisfaction Through Bayesian Causal Network Modeling

»[Yonggang Lu](#)¹(1. University of Maine)

Improving Economics For Data Migration In Healthcare Environments Using Serverless Architecture

»[Prashant Duhoon](#)¹, [Can Ersoy](#)¹, [Neset Hikmet](#)¹(1. University of South Carolina)

Criteria Ranking Using a Two-Step Methodology with Practical Application in City Ranking

»[Yasamin Salmani](#)¹, [Jin Fang](#)², [Fariborz Partovi](#)³(1. Bryant University, 2. Clark University, 3. Drexel University)

The Antecedents And Impact Of Resource Redeployment In Analytics Jobs

»[Frank Lee](#)¹ (1. Georgia State University)

An Efficiency-Decomposition Method Of Data Envelopment Analysis Model For Performance Measurement

»[Jae-Dong Hong](#)¹(1. South Carolina State University)

9:30 am **Coffee Break**
Courtyard Foyer-Lobby Level

10:00 am **DSS-1: Artificial Intelligence**
Harvard Square B
Chaired by: Jena Jordahl

Sentiment Analysis Of Artificial Intelligence Applied In The Hospitality

»[Ruilin Wang](#)¹, [Yongjia Liu](#)¹ (1. Northeastern University)

AI-Enhanced Decision-Making: Integrating It Best Practices With Expert Insight

»[Andres Fortino](#)¹, [Weiyun Zhang](#)¹ (1. New York University)

Incentives for AI-Enabled Knowledge Sharing and Learning

»[Shankar Sundaresan](#)¹, [Zuopeng Zhang](#)² (1. Rutgers University-Camden, 2. University of North Florida)

AI Alignment Theory

»[Alexander Pelaez](#)¹, [Jim Samuel](#)², [Amal Jacobson](#)³, [Elaine Winston](#)¹ (1. Hofstra University, 2. Rutgers University, 3. Progressive School of Long Island)

Curing Generative AI Hallucinations with Data Provenance

»[Jena Jordahl](#)¹, [Tamara Schwartz](#)², [John Roney](#)³, [Billy Mag Fhloinn](#)⁴, [Bhaskar Abbireddy](#)¹, [Ashlesha Chaudhari](#)¹ (1. InfinitelQ, 2. York College of Pennsylvania, 3. Sacred Heart University (USA), 4. Sacred Heart University (Ireland))

10:00 am **AFE-2: International Finance Topics**
Kendall Square
Chaired by: T. Beraki Mengsteab

Building Absorptive Capacity: Economic Development and Growth in Select Oil-Producing Economies

»[Siamack Shojai](#)¹(1. William Paterson University)

How Extreme Cryptocurrency and Oil Movements Affect Insurance Tokens: A Cross-Quantile Study

»[Ulrika Lesie Nyamsi Nkouemkeu Shriya Anand](#)¹ (1. New Jersey Institute of Technology)

Continued from Thursday, 4 April

Building Effective and Efficient Public Financial Management for African Nations-The Case of Eritrea

»[Mengsteab T. Beraki](#)¹ (1. SUNY-Farmingdale)

Rethinking Organizational Management and Governance in Engaging IMF

»[Ohene Aku Kwapong](#)¹, [Robert Yawson](#)¹ (1. Quinnipiac University)

10:00 am **SCM-1: Modeling - I**

Inman Square

Chaired by: Douglas Hales

Digital Twinning In The Age Of Artificial Intelligence For Supply Chain Mgt.

»[Douglas Hales](#)¹ (1. The University of Rhode Island)

On the Integrated Production and Distribution Problem with Time Windows

»[Hua Zhong](#)¹ (1. SUNY College at Oneonta)

Repair Kit Inventory Policy Creation with Empirical Stochastic Branch-and-Bound

»[John Maleyeff](#)¹, [Ruthairut Wootisarn](#)¹, [Liyang Zhang](#)¹, [Xueying Wang](#)¹ (1. Boston University)

A Hierarchical Optimization Model for WEEE Circular Plant Operation: Evidence from Copier Recovery

»[Zhiqin Ni](#)¹ (1. Xi'an Jiaotong Liverpool University)

Impact of Increased Supply Chain Expenses on Retail Product Return Management

»[Ali Shirzadeh](#)¹, [Ehsan Elahi](#)² (1. UMASS Amherst, 2. UMASS Boston)

10:00 am **OMOR-1: Quality and Strategic Decision Making**

Harvard Square A

Chaired by: S. Bruce Han

Optimizing Marketing Resource Investment Strategies under Distributional Uncertainty

»[Sudeep Gubbala](#)¹, [Belleh Fontem](#)¹ (1. University of Massachusetts Lowell)

Quantification of International Trade Network Performance under Disruptions in Disasters

»[Anna Nagurney](#)¹, [Dana Hassani](#)¹, [Oleg Nivievskiy](#)², [Pavlo Martyshev](#)² (1. University of Massachusetts Amherst, 2. Kyiv School of Economics)

Are You Barking Up The Wrong Tree?

»[Narendar Sumukadas](#)¹, [David Stec](#)¹ (1. University of Hartford)

Data Analysis of A Quality Management Research Survey

»[S. Bruce Han](#)¹, [Yilong Zheng](#)¹ (1. Merrimack College)

Bad Store Or Bad Inventory? Decoding Multi-Location Retail Performance

»[Katherine Ashley](#)¹ (1. Northeastern University)

10:00 am **SUS-1: Green and Sustainable Practices**

Central Square

Chaired by: Salim Eray Celik

Fundraising Appeals: Lessons from Social Marketing

»[Francisco Quevedo](#)¹ (1. Rutgers University)

Stochastic Structures of Generations of Renewable Energies in U.S.

Continued from Thursday, 4 April

»[Jae Lee](#)¹ (1. State University of New York)

Decarbonizing Lib Production: The Circular Economy Approach to Cobalt Management

»[Salim Eray Celik](#)¹, [Abdullah Yildizbasi](#)¹, [Joseph Sarkis](#)¹ (1. Worcester Polytechnic Institute)

1:00 pm **DSS-2: Decision Support Systems**

Harvard Square B

Chaired by: [Salim Emre Kirac](#)

User Profiling and Targeted Advertising: A Study on the Privacy Implications of Machine Learning

»[Eric Uwayezu](#)¹, [Dan Tenney](#)¹ (1. University of Bridgeport)

Using Fuzzy AHP for Investigating Barriers to the Development of Smart Mobility in Montreal

»[Anjali Awakthi](#)¹, [Hiva Kosseini](#)¹ (1. CIISE)

A Decision Model for Community-Based Adaptation (CBA) to Climate Change

»[Mubarak Iddrisu](#)¹ (1. University of Massachusetts Boston)

Estimating Optimal Tour Length in Irregular Geometric Areas with Fewer Nodes

»[Emre Kirac](#)¹, [Dmitriy Shaltayev](#)¹, [Ian Dors](#)¹ (1. Christopher Newport University)

1:00 pm **AFE-3: Issues in Financial Services**

Kendall Square

Chaired by: [Kameleddine Benameur](#)

Pricing Quanto Options on a non-Gaussian Levy Process Model with a Flow Based Generative Network

»[Young Shin Kim](#)¹, [Hyun-Gyoon Kim](#)² (1. Stony Brook University, 2. Ajou University)

A Data Envelopment Analysis Approach to Rank A Set of Mutual Funds and Mutual Fund Companies

»[Richard Muszynski III](#)¹ (1. Wilkes University)

Social Media and Sustainability Reporting: Observations from Kuwaiti Listed Companies

»[Kameleddine Benameur](#)¹, [Ayman Haddad](#)¹, [Mohamed Elian](#)¹ (1. American University of Kuwait)

1:00 pm **SCM-2: Policy Implications**

Inman Square

Chaired by: [Bahwesh Sah](#)

Analyzing the Factors for Implementation of Air-Taxi Services

»[Bahwesh Sah](#)¹ (1. Northeastern University)

Food Price and Transportation Impacted by Diesel Price and Truck-Driver Availability

»[Jasmine Chang](#)¹, [Jim Shi](#)¹, [Fuqin Zhou](#)¹ (1. New Jersey Institute of Technology)

Effects on All The Three Levels of Supply Chain Due to Disruptions Caused by Public Policy Changes

»[Kaverinathan Dhanapal](#)¹, [Shravya Dharba](#)¹ (1. New Mexico State University)

A Reinforcement Learning Approach to Reduce Operational Costs In A Supply Chain

»[Dmitriy Shaltayev](#)¹, [Borga Deniz](#)², [Joona Rahko](#)³ (1. Christopher Newport University, 2. Framingham State University, 3. Layer AI)

Efficiency Analysis: Gig Driving in the UPS Last-Mile Delivery Model

»[David Cortes](#)¹ (1. Providence College)

Continued from Thursday, 4 April

1:00 pm **EDU-3: Curriculum and Methods**

Harvard Square A
Chaired by: Faye Zhu

Building An Introductory Analysis Course in The Management Curriculum

»[Faye Zhu](#)¹ (1. Rowan University)

Critical Thinking across The Curriculum: Enhancing Rationality by Overcoming Cognitive Biases

»Hershey Friedman¹, [Taiwo Amoo](#)¹ (1. Brooklyn College)

Methods for Synchronous Teaching And Interaction in Online Courses

»[Bhupinder Sran](#)¹, [Moustafa Ahmed](#)¹, [John Weber](#)¹ (1. DeVry University)

Application of The Analytic Hierarchy Process Method for The Selection of Master's Degree Timeline

»[Jacob Machulcz](#)¹, [Arsalan Paleshi](#)¹ (1. York College of Pennsylvania)

1:00 pm **SUS-2: Technological Innovations for Sustainability**

Central Square
Chaired by: Valen Liao

The Exploration of Logistics Green Transformation and Sustainable Development of Enterprises

»Tung-Shan Liao¹, [Ming-Qiang He](#)¹ (1. Yuan-Ze University)

Exploring a Foresight Perspective on Green Transformation and Sustainability Performance

»[Tung-Shan Liao](#)¹, [Ja-Hang Rui](#)¹ (1. Yuan-Ze University)

Optimizing Microgrid Design with Peak Shaving

»[Yang Li](#)¹, Matthew Cristaldi², Yuyun Zhong³ (1. Montclair State University, 2. Grid Discovery, 3. James Madison University)

CT's BIL: Preparing Techs for EV Transition

»[Saddam Alkhamaiesh](#)¹ (1. University of Bridgeport)

2:40 pm **Coffee Break**

Courtyard Foyer-Lobby Level

3:00 pm **CYIT-1: AI Application - Privacy, Security, and Trust Concerns**

Harvard Square B
Chaired by: Teray Johnson

Building Trust in Future Healthcare: The Integration of Large Language Models into Clinical Settings

»[Abdullah Aldwean](#)¹, Dan Tenney¹ (1. University of Bridgeport)

A Comparative Analysis of Chatgpt, Bard, Snapchat, Hugging, And Perplexity on Unintentional Biases

»[Cooper Warrington](#)¹, [Tamirat Abegaz](#)¹ (1. University of North Georgia)

Exploring Evasion Attacks & Adversarial Defenses

»[Douglas Sausser](#)¹, [Tamirat Abegaz](#)¹ (1. University of North Georgia)

The Impact of AI on Healthcare: Security and Privacy Concerns

»[Heechang Shin](#)¹ (1. Iona University)

Continued from Thursday, 4 April

3:00 pm **PUB-1: Policies**
Kendall Square
Chaired by: David Biko

Administrative Decision Variation in The State Health Insurance Assistance Program

»[David Biko](#)^{1,2}, Allison Dorneo^{1,2}, Melissa Garrido^{1,2} (1. Boston University, 2. Partnered Evidence-Based Policy Resource Center (Veterans Health Administration))

Health Equity Consequences of Prescription Drug Monitoring Programs

»[David Dreyfus](#)¹, Eunseok Kim¹, Alok Baveja¹ (1. Rutgers University)

Evaluation Of AI Policies in Higher Education

»Ronda Mariani¹, [Lijuan Sun](#)¹, Loreen Powell², Dina Clark¹ (1. Commonwealth University, 2. Marywood University)

Downsizing Community Colleges: A Data Envelopment Analysis Model

»C. Christopher Lee¹, Joseph Balskus¹, Alison Ramirez Cahuana¹, Finnegan Carey¹, Elias Lux¹, [Heechang Shin](#)² (1. Central Connecticut State University, 2. Tona University)

Investigating The Impact of Digital Solutions On The Sustainability of Power Utilities

»Basel Wasif¹, Syeda Hina¹, [EunSu Lee](#)² (1. University of Bradford, 2. New Jersey City University)

3:00 pm **TCH-1: Workshop: Unleashing the Power of AI in Higher Education**
Inman Square
Chaired by: Kathleen Ferris

Innovative Pedagogy: Unleashing the Power of Artificial Intelligence in Higher Education

»[Kathleen Ferris](#)¹ (1. Bridgewater State University)

3:00 pm **EDU-2: Education**
Harvard Square A
Chaired by: Neil Desnoyers

Revisiting “How Business Schools Lost Their Way”

»[Neil Desnoyers](#)¹ (1. Saint Joseph’s University)

Integrating Skills For Undergraduate Business Students In The Digital Age A Multidisciplinary Review

»[Haleh Karimi](#)¹, [Amy Fairfield](#)¹, [Frank Raymond](#)¹, [Alisha Harper](#)¹ (1. Bellarmine University)

A Study on First-year Retention: Evidence from One of the Most Diverse Higher Education Institutions

»[Zhixin Kang](#)¹ (1. University of North Carolina at Pembroke)

Education 4.0: Knowledge, Skills, and Abilities for Supply Chain Entry Level Workers

»[John Visich](#)¹, Pedro Reyes², Michael Gravier¹, Christopher Roethlein¹ (1. Bryant University, 2. Baylor University)

3:00 pm **SKO-2: Teleworking and Construction Industry**
Central Square
Chaired by: Chin-yen Liu

Navigating Cost Estimation Complexities In The Us Commercial Construction Industry

»[Chin-Yen Liu](#)¹, Roger Myrvang² (1. Texas A&M University, 2. Blair Remy Architects)

Struggle or Ease in Remote Work? Examining the Influence of Remote Work on Employee Well-being

»[Jie Li](#)¹, Tamara Montag-Smit¹, Nabi Ebrahimi¹, Asil Oztekin¹ (1. University of Massachusetts Lowell)

Continued from Thursday, 4 April

The Influence of Commuting Satisfaction and Teleworking Policies on Job Satisfaction and Commitment

»[William Hampton-Sosa](#)¹, Holly Chiu¹ (1. City University of New York.

6:00 pm

President's Reception

Charles View Ballroom - 16th Floor

Friday, 5 April

7:00 am **Registration**
Lobby-Courtyard

7:00 am **Continental Breakfast**
Amesbury D

8:00 am **DSS-3: Machine Learning**
Harvard Square B
Chaired by: Rankaj Sharma

Assessing Waste Management Performance in Korea: Neural Network and Gray Incidence Theory

»[Leo Hong](#)¹, [Douglas Hales](#)², [Gawon Yun](#)³, [Kara Liu](#)² (1. Millersville University, 2. University of Rhode Island, 3. Missouri State University)

Integrating Bert and Deep Reinforcement Learning for Dynamic Product Attribute Recommendation

»[Moitaba Talaei-Khoei](#)¹, [Asil Oztekin](#)¹ (1. University of Massachusetts Lowell)

Retrospective Causal Inference on IHDP Dataset to Evaluate Cognitive Test Score of Premature Infants

»[Pankaj Sharma](#)¹, [Rashedul Hasan](#)¹, [Asil Oztekin](#)¹ (1. University of Massachusetts Lowell)

8:00 am **SCM-3: Emerging and Existing Technologies**
Inman Square
Chaired by: Pedro Reyes

Artificial Intelligence and Machine Learning Impact On Global Supply Chains

»[Pedro Reyes](#)¹, [John Visich](#)², [Patrick Jaska](#)³ (1. Baylor University, Bryant University, University of Mary Hardin-Baylor)

Supply Chain Integration through Supplier Satisfaction: Canada, Mexico, and the United States

»[John Visich](#)¹, [Pedro Reyes](#)², [Michael Gravier](#)¹, [Christopher Roethlein](#)¹ (1. Bryant University, 2. Baylor University)

Blockchain in The Supply Chain

»[Yongjia Liu](#)¹, [Ruilin Wang](#)¹ (1. Northeastern University)

Towards Achieving Circularity in Solar PV Supply Chain: A Real Application

»[Yagmur Arioz](#)^{1,2}, [Abdullah Yildizbasi](#)¹, [Ibrahim Yilmaz](#)² (1. WPI, 2. AYBU)

The Efficacy of Legal Contracts in The Lock-In Situation of Supply Chain Relationships

»[Daniel Prajogo](#)¹, [Brian Cooper](#)¹, [Ross Donohue](#)¹ (1. Monash University)

8:00 am **OMOR-2: Inventory and Network Optimization**
Harvard Square A
Chaired by: Javad Paknejad

Increasing Project Efficiencies by Avoiding Crashing

»[Johnny Ho](#)¹, [Madeline Acton](#)¹, [Lise Malherbe](#)¹, [Angelica Tabares](#)¹, [David Ang](#)² (1. Columbus State University, 2. Auburn University at Montgomery)

A Study on Aggregate Service Levels Approximations for A Multi-Item Lot Sizing Problem

»[Satvaveer Singh Chauhan](#)¹, [Tanvir Sidhu](#)¹ (1. Concordia University)

An Economic Production Quantity Model With Backorders and Geometrically Decreasing Production Cost

»[Javad Paknejad](#)¹, [John F. Affisco](#)¹, [Amir Gandomi](#)¹ (1. Hofstra University)

Periodic Vehicle Routing Problem with Time Separation Constraints

»[Gang Li](#)¹ (1. Bentley University)

Continued from Friday, 5 April

8:00 am **SUS-3: Sustainable Supply Chains: Industry Perspective**
Central Square
Chaired by: Jen-Yi Chen

The Effect of Sustainability Practices on Operational Slacks

» [Yabing Zhao](#)¹, [Zhuang Qian](#)² (1. San Francisco State University, 2. The Pennsylvania State University)

Co-optition in Sustainability Initiative

» [Jen-Yi Chen](#)¹, [Moonwon Chung](#)¹, [Chien-Hui Wang](#)² (1. Cleveland State University, 2. Feng Chia University)

Sustainability Across Industries And Countries

» [Amit Das](#)¹ (1. Krea University)

9:30 am **Undergraduate/Masters Research Posters**
Amesbury D
Chaired by: Jennifer Swanson

9:40 am **Coffee Break**
Amesbury D

10:00 am **CYIT-2: Security and Privacy of Health Records**
Harvard Square B
Chaired by: Kamal Wada Ringim Sabo

Exploring Emerging Technologies for Occupational Health and Safety Practices Improvement

» [Afrooz Moatari-Kazerouni](#)¹, [Aida Haghghi](#)², [Sylvestre Lefevre](#)³ (1. Widener University, 2. Toronto Metropolitan University, 3. Centre des études supérieures industrielles (CESI))

Security And Privacy Mechanisms Of Electronic Health Records - A Delphi Study

» [Kamal Wada Ringim Sabo](#)¹, [Abirami Radhakrishnan](#)¹, [Dessa David](#)¹, [Micheal Boland](#)², [Samuel Ejiaku](#)¹ (1.

Morgan State University, 2. Harvard Medical School)

Navigating Privacy Concerns in the Age of Connected Cars

» [Zahra Aivazpour](#)¹ (1. California State University)

Digital Synergy For Identity Management: Exploring The Healthcare Frontier

» [Michael Chuang](#)¹ (1. University of Illinois)

10:00 am **AFE-5: Business Issues**
Kendall Square
Chaired by: Vasileios Pavlopoulos

An Exploratory Study of Understanding and Improving Business Sophomores' Skills

» [Recep Pekdemir](#)¹, [Ayca Suer](#)², [Nil Erden](#)², [Asli Turel](#)², [Ahmet Turel](#)² (1. University of Wisconsin La Crosse, 2. Istanbul University)

MNC Operating Foreign Exchange Exposure: Evidence by Practitioners

» [Augustine Arize](#)¹, [Giuliana Andreopoulos](#)², [John Malindretos](#)², [Alex Panayides](#)², [Alfred Verrios](#)² (1. Texas A&M, 2. William Paterson University)

A Complex Relationship Cost/Quality: The Case Of The Us Health Care System

» [Giuliana Andreopoulos](#)¹, [John Malindretos](#)¹, [Alex Panayides](#)¹, [Alfred Verrios](#)¹ (1. William Paterson University)

The Effects of Sports Betting on Casino Gambling and Lottery

» [Ege Can](#)¹, [Mark Nichols](#)², [Vasileios Pavlopoulos](#)¹ (1. University of Alabama in Huntsville, 2. University of Nevada)

Continued from Friday, 5 April

10:00 am **SCM-4: Modeling - II**

Inman Square

Chaired by: Abhishek Roy

Distribution Contracts for Digital Content Supply Chains in the Presence of Piracy

»Prasenjit Mandal¹, Abhishek Roy² (1. MEOMA Business School, Temple University)

Sustainable Transformation of the Hazelnut Supply Chain: A Comprehensive Approach

»Kalinga Jagoda¹ (1. University of Guelph)

Designing a Renewable Jet Fuel Supply Chain: Leveraging Incentive Policies

»Sajad Ebrahimi¹, Joseph Szmerekovsky², Bahareh Golkar², Seyed Ali Haji Esmaeili³ (1. Wagner College, 2. North Dakota State University, 3. Walmart)

The Impact of Non-competitor on Outsourcing Decisions in the Presence of Learning-by-doing Effect

»Min Wang¹, Wenjing Shen¹, Yaqin Sun² (1. Drexel University, 2. Lehigh University)

A Real World Application of Transportation Network Optimization in Supply Chain Design

»Ram Misra¹ (1. Montclair State University)

10:00 am **MKT-1: Technology, Innovations, and Consumer Experience**

Harvard Square A

Chaired by: Amit Arora

Developing SMARTER Robots Engaged in Robotic Interventions for Students with Learning Disabilities

»Dr. Anshu Saxena Arora¹, Dr. Amit Arora¹ (1.

University of the District of Columbia)

Similarity-Novelty Metric: An Alternative Algorithm for Efficient Audience Extension

»Sarthak Pattnaik¹, Eugene Pinsky¹ (1. Boston University Metropolitan College)

Consumers' Evaluation Of Recycled Food Product Packaging: The Role Of Anthropomorphism

»Nguyen Pham¹ (1. Monmouth University)

Cognitive And Affective Responses To Virtual Reality Based Shopping And Online Shopping

»Eklou R. Amendah¹, Archana Kumar² (1. University of Southern Maine, 2. Montclair State University)

10:00 am **Deans' Panel**

Central Square

Chaired by: Jeanean Davis-Street

* Dr. Jeanean Davis-Street (Dean RCOB, Bridgewater State University)

* Dr. Oya Tukul (Dean, Martin Tuchman School of Management, New Jersey Institute of Technology)

* Dr. Eda Sanchez-Persampieri (Dean, Marcuse School of Graduate Studies, LIM College)

* Dr. Yi Yang (Associate Dean, College of Business, University of Massachusetts at Lowell)

* Dr. Aleksandar Tomic (Associate Dean, Woods College of Advancing Studies, Boston College)

11:30 am **NEDSI Advisory Board Meeting**

Remington-2nd floor

NEDSI Advisory Board Member Only

Continued from Friday, 5 April

1:00 pm **CYIT-3: Blockchain and Virtual Reality**
Harvard Square B
Chaired by: Feyisetan Dania

Understanding Cryptocurrency Investment: Insights from American Investors

»[Youqin Pan](#)¹ (1. Salem State University)

Perspectives on the Evolution of a Transformative and Empowering Metaverse

»[Eric Addeo](#)¹ (1. Devry University)

Blockchain Technology Adoption And Impact On Fintech International Transactions: A Literature Review

»[Feyisetan Dania](#)¹, Dan Tenney¹ (1. University of Bridgeport)

1:00 pm **DATA-1: Understanding Behavior and Patterns**
Kendall Square
Chaired by: Eric Stein

Predicting Software Developer Salaries In The United States Using Unconventional Variables

»[Akshaj Kabthiyal](#)¹, [Julia Costa Severo](#)¹, [Joao De Alvarenga Ferreira](#)¹ (1. Clark University)

Face-Off: Facial Recognition Technologies and Paradox in Retail Asset Protection Environments

»[Derek Dubois](#)¹, Douglas Hales¹, Mehmet Yalcin¹, Muhammad Hasan Ashraf² (1. University of Rhode Island, California State University Long Beach)

A Glimpse of Student's Perceptions on Big Data through a Survey

»[linchang Wang](#)¹ (1. Stockton University)

What's Happening at Prospect Press

»[Beth Golub](#)¹ (1. Prospect Press)

How Advanced Information Technologies Are Transforming Agriculture

»[Eric Stein](#)¹ (1. Penn State)

1:00 pm **TCH-2: Student-Centric Innovations: AI, Career Readiness, and Personal Branding**
Inman Square
Chaired by: Stephanie Jacobsen

Innovating Teaching With A.I.: A Literature Review And Current Applications In Higher Education

»[Katja Schroeder](#)¹, [Esther Klein](#)¹ (1. St Francis College)

Information Literacy: ChapGPT, Library or the Internet?

»[Anil Aggarwal](#)¹, Cong Zhang¹, Danielle Fowler¹ (1. University of Baltimore)

Improving Students' Career Readiness Through Innovative Course Redesign

»[Stephanie Jacobsen](#)¹, [Xiangrong Liu](#)¹, Jakari Griffith¹, Peter Steins¹, Yihong Xiao¹, Jeanean Davis Street¹, John Paganelli¹ (1. Bridgewater State University)

Empowering Personal Branding: A Collaborative Journey in Marketing Education

»[Kathleen Ferris](#)¹ (1. Bridgewater State University)

1:00 pm **MKT-2: Consumer Behavior Insights: From Perception to Privacy**
Harvard Square A
Chaired by: Dong Yoo

Using Multidimensional Scaling Toward A Prevalence-Severity Theory Of Human Trafficking

»[Vernon Murray](#)¹, Sherry Dingman² (1. Marist College, 2. Fang Protective Services)

What Matters? The Quantity, Quality, And Valence Of Reviews In New Releases

»[Dong Yoo](#)¹, James Roh², Joshua Yoo³ (1. Virginia State University, 2. Rowan University, 3. William & Mary)

Consumer Privacy Expectations And The Impact On Buying Intentions

»[Edward Linde II](#)¹, [John Cary](#)¹, [William Brown](#)¹ (1. Marist College)

2:00 pm **Undergraduate/Masters Research Posters**

Amesbury D
Chaired by: Jennifer Swanson

2:40 pm **Coffee Break**

Amesbury D

3:00 pm **HEL-2: OR Techniques in Healthcare**

Harvard Square B
Chaired by: Dinesh Pai

Optimizing Healthcare Big Data management: Experimental Approaches

»[Ehsan Soltanmohammadi](#)¹, Neset Hikmet¹ (1. University of South Carolina)

Using Dea To Measure The Financial And Quality Performance Of Critical Access Hospitals

»[Christine Pitocco](#)¹, Herbert Lewis¹, Dinesh Pai², Thomas Sexton¹, Maria Muntaha¹, Justin Vij¹, Amanda McMahon¹ (1. Stony Brook University, 2. Pennsylvania State University at Harrisburg)

Scheduling Multi-Job Multi-Machine Multi-Server: A Case of Healthcare Optimization

»[Farbod Farhadi](#)¹, Sina Ansari², Francisco Jara-Moroni³ (1. Babson College, 2. DePaul University, 3. University Diego Portales)

Technology in Healthcare: A Review of Current Practices and Challenges

»[Elif Kongar](#)¹, Ellen Belitzky¹, Gazi Duman¹, Jiju Antony² (1. University of New Haven, 2. Northumbria University)

3:00 pm **AFE-4: Fintech, ML, & AI Issues**

Kendall Square
Chaired by: Yasamin Salmani

Fintech Adoption Among African Americans: Overcoming Legacy Financial Barriers

»[Damon Gray](#)¹, David Gefen¹ (1. Drexel University)

Financial Contagion and Machine Learning: The Forest in the Trees

»[Christopher Starkey](#)¹, Georges Tsafack², Dara Schniederjans² (1. Providence College, 2. University of Rhode Island)

The Network Effect on Tokenization of REITs: Investors Centrality, Liquidity, and Performance.

»[Ajim Uddin](#)¹, Yao Sun¹ (1. New Jersey Institute of Technology)

Zero Day Close: The Power Of AI And Machine Learning

»Loreen Powell¹, Dina Clark², [Lijuan Sun](#)², Ronda Mariani² (1. Marywood University, 2. Commonwealth University)

3:00 pm **SCM-5: Decision Making**

Inman Square
Chaired by: Shahram Taj

Decision Support Approach for Ranking Response Options in Reaction to Climate Change

»John Maleyeff¹, Hanyi Zheng¹, [Yuchen Yao](#)¹, [Zhilin Liu](#)¹, David Weidman¹ (1. Boston University)

Design, Digitizing, Executing Lean/Agile Smart Manufacturing Facilities for Global Supply Chain

Continued from Friday, 5 April

»[Shahram Taj](#)¹ (1. Florida Polytechnic University)

The Impact of Extreme Weather Event on Firm Market Value

»[Lihua Sun](#)¹ (1. University of Electronic Science and Technology of China)

Unintended Consequences Of In-Kind Humanitarian Donations: The Problem Of Material Convergence

»[Peter Imbriale](#)¹, [Jeffrey Livingston](#)², [Euthemia Stavroulaki](#)² (1. U.S. Coast Guard Academy, 2. Bentley University)

3:00 pm **EDU-1: Business Analytics**

Harvard Square A

Chaired by: S. Bruce Han

Incorporating The Voice Of Customer (VOC) Into The Design Of A Business Analytics Course

»[S. Bruce Han](#)¹, [Tahir Hameed](#)¹ (1. Merrimack College)

Maestro Legacy: Artful Learning Application To Business Analytics Instruction

»[Ellen Belitzky](#)¹ (1. University of New Haven)

DWeb Scraping Financial Data with Python for Predictive Analytics

»[Deb Sledzianowski](#)¹, [Alexander Palaez](#)¹ (1. Hofstra University)

3:00 pm **Editors' Panel**

Central Square

Chaired by: Joy Field

Dr. Xenophon Koufteros (Editor-in-Chief of Decision Sciences Journal)

Dr. Pedro Reyes (Associate Editor for Decision Sciences Journal of Innovative Education)

Dr. Joy Field (Deputy Editor for Service Science)

Dr. Arash Azadegan (Associate Editor for Journal of Supply Chain Management)

5:00 pm **NEDSI 2024 Keynote**

Amesbury D

Presentation by: Sam Ransbotham

Title: Using AI? Great. But Using AI No Longer Differentiates

6:00 pm **Gala Dinner**

Charles View Ballroom - 16th Floor

Saturday, 6 April

7:00 am **Continental Breakfast**

Courtyard Foyer-Lobby Level

7:30 am **NEDSI General Business Meeting**

Inman Square

8:00 am **CYIT-4: Emerging Technologies**

Harvard Square B

Chaired by: Koki Karube

Aquaculture/Seafood Use Case Development for Edge with Cybersecurity and Federated Learning

»[Benjamin Branch](#)^{1,2,3,4}, [Jason Porter](#)^{1,2}, [Jarvis Green](#)², [Michael Sullivan](#)^{1,2}, [Thomas Glenn](#)¹, [Neset Hikmet](#)⁵, [Ubong Udoyen](#)^{6,7}, [Karena Angell](#)⁸, [Anthony Herr](#)⁹, [Ben Cushing](#)¹⁰, [Ben Cohen](#)¹¹, [David Eberle](#)¹², [OpenShift Commons Edge Special Interest Group](#)¹³, (1. SEEDS Institute, 2. Green Reef Foundation, 3. OpenShift Commons, 4. QSBG Network, 5. University of South Carolina, 6. One2Care Healthcare, 7. Yale University, 8. Red Hat, Salt Lake, 9. Red Hat, Prescott, 10. Red Hat, Washington, DC, 11. Red Hat, Boston, 12. Kansas Turpike Authority, 13. Red Hat, Doha)

Continued from Saturday, 6 April

DX Visualization Of Assembly Task Speed By 3D Coordinate Data Using Motion Capture

»[Koki Karube](#)¹, [Tetsuo Yamada](#)¹, [Masao Sugi](#)¹ (1. The University of Electro-Communications)

A Development of an Emergency Management System for KTA Using a Google Traffic Data

»[David Eberle](#)^{1,2}, [Benjamin Branch](#)^{3,4}, [Karena Angell](#)⁵, [Anthony Herr](#)⁶, [Ben Cushing](#)⁷, [Ben Cohen](#)⁸, [OpenShift Commons](#)⁹ (1. Kansas Turnpike Authority, 2. OpenShift Commons, 3. QSBG Network, 4. OpenShift Commons, 5. Red Hat, Salt Lake, 6. Red Hat, Prescott, 7. Red Hat, Maine, 8. Red Hat, Boston, 9. Red Hat, Doha)

Minority Entrepreneurship and Culture: A Text Mining Analysis

»[Yuan Xue](#)¹, [Subhasish Dasgupta](#)² (1. Elizabeth City State University, 2. George Washington University)

8:00 am **AFE-6: Topics in Accounting**

Kendall Square

Chaired by: A.J. Stagliano

Corporate Governance, Financial Leverage, External Audit Quality And Financial Reporting Quality

»[Richmell Baaba Amanamah](#)¹ (1. Akenten Appiah-Menka University of Skill Training and Entrepreneurial Development)

AS 3101's Impact on Financial Reporting on Goodwill Impairment

»[Nathan Slavin](#)¹, [Jianing Fang](#)² (1. Hofstra University, Kean University)

Do Extreme Observations Impact Common Financial Ratios? A Longitudinal Examination Of Bond Indices

»[A J Stagliano](#)¹ (1. Saint Joseph's University)

8:00 am **TCH-3: Learning Innovations: Engagement Models & Environments**

Inman Square

Chaired by: Kenneth Sousa

Introducing Business Analytics Using A Demonstration Model - An Implementation Perspective

»[Kenneth Sousa](#)¹ (1. Bryant University)

The Hunger Chain: A competitive simulation for teaching supply chain management

»[Arim Park](#)¹, [Yao Zhao](#)², [Jumyung Song](#)³ (1. North Carolina A&T State University, 2. Rutgers University, 3. University of Massachusetts Lowell)

Exploring E-Commerce System Effectively with a Cloud-Based Infrastructure

»[Zhengzhong Shi](#)¹ (1. University of Massachusetts Dartmouth)

An Alternative Lab Environment for Computer Networks

»[Zhengzhong Shi](#)¹ (1. University of Massachusetts Dartmouth)

8:00 am **MKT-3: Innovative Approaches in Strategic Marketing**

Harvard Square A

Chaired by: Pratyush Ambadi

Using Binary DEA To Evaluate The Nutritional Performance Of Food Items

»[Herbert Lewis](#)¹, [Christine Pitocco](#)¹, [Thomas Sexton](#)¹, [Shuran Liao](#)¹ (1. Stony Brook University)

Toyota model for Global SMEs

»[Uthit Siriwan](#)¹, [Michael Ha](#)^{2,3}, [Qian He](#)⁴ (1. Charisma University, 2. Beijing Institute of Technology, 3. Universidade de São José, 4. Stockton University)

Continued from Saturday, 6 April

How Uncertainty Impacts Biotechnology Firms' Governance Decisions: A TCE Perspective

»Pratyush Ambadi¹, Xinyue Li¹, Jennifer JooYeon Lee¹ (T. Boston University)

Inventory Disclosure And Donor Behavior

»Euthemia Stavroulaki¹, Peter Imbriale², Chirag Surti³ (T. Bentley University, 2. Coast Guard Academy, 3. Rider University)

8:00 am **SUS-4: Environmental and Social Dimensions of Sustainability**

Central Square

Chaired by: Maling Ebrahimpour

A Longitudinal Study Of Extreme Weather Discussion On Social Media

»James Chen¹, Suhong Li² (1. New York University, 2. Bryant University)

Evolution of ESG: Historical Roots, Contemporary Significance, and Future Trajectory

»Maling Ebrahimpour¹ (1. The University of Rhode Island)

Sustainability Across Countries

»Sarathak Pattnaik¹, Kathleen Park¹, Eugene Pinsky¹ (1. Boston University Metropolitan College)

9:30 am **Coffee Break**

Courtyard Foyer - Lobby Level

10:00 am **HEL-3: Technology and Quality in Healthcare**

Harvard Square B

Chaired by: Chamila Dissanayake

Internet Use For Health Information Among

Marginalized Population: Evidence From Hints Data

»Yue Gao¹, Haitao Liu² (1. Clark University, 2. Independent Researcher)

Polypharmacy Risk in Working-Age Women: Role of Multimorbidity Patterns & Care Coordination Factors

»Ajit Appari¹, Maria Ukhanova² (1. Boston University, 2. University of Texas Health Science Center at Houston)

Exploring The Relationship Between Cms Star Ratings And Patient Satisfaction In Hospitals

»Chamila Dissanayake¹, Dinesh Pai² (1. Pennsylvania State University, 2. Pennsylvania State University)

Readmission and Length of Stay of COPD Patients: A Longitudinal Analysis Using HCUP - NRD Data Sets

»Fatma Pakdil¹, Steve Muchiri¹, Nasibeh Azadeh-Fard² (1. Eastern Connecticut State University, 2. Rochester Institute of Technology)

10:00 am **DATA-2: Exploring and Modeling Finance and Fintech**
Kendall Square

Chaired by: Jayanta Pokharel

The History And Future Horizons Of Reject Inference

»Billie Anderson¹ (1. Southern New Hampshire University)

Analysis of Hong Kong Exchange Rate Dynamics since COVID pandemic: A Comprehensive Study

»Jimin Huang¹, Michael Ha^{1,2}, Qian He³ (1. Beijing Institute of Technology, 2. Universidade de São José, 3. Stockton University)

Impact Of Major Financial Factors On Bitcoin Prices At Times Of Uncertainty

»Ahmad Wakil¹ (1. St. John's University)

Modeling Stock Returns With Laplace Family Distributions- A Concise Decision

»Jayanta Pokharel¹, Gokarna Aryal², Netra Khanal³, Chris P. Tsokos⁴ (1. Siena College, 2. Purdue University)

Northeast Decision Sciences Institute 2024 Annual Conference 04-06 Apr 2024 All times in EDT

Northwest, 3. The University of Tampa, 4. University of South Florida)

10:00 am **LEG-1: Legal, Ethical, and Social Issues in Decision Making**
Inman Square
Chaired by: Soheil Sibdari

Policies For Funding Of Service Providers In Subsidy Welfare Programs

»[Gulten Busra Karkili](#)¹, [Senay Solak](#)¹ (1. University of Massachusetts Amherst)

The Impact of Government Policies on Aviation and Air Connectivity in Africa

»[Soheil Sibdari](#)¹ (1. University of Massachusetts Dartmouth)

Rethinking The Role Of Organizational Justice In Influencing Perceived Performance:

»[Feisal Murshed](#)¹, [Katrina Savitskie](#)², [Sandipan Sen](#)³, [Joseph Xu](#)⁴ (1. Kutztown University, 2. Savistkie Consulting, 3. Southeast Missouri State, 4. Union University)

10:00 am **EDU-4: Cases and Courses**
Harvard Square A
Chaired by: Hui Zhang

Incorporating Ethics and Professionalism in An Entry-Level PR Course Through Real-Client Engagement

»[Hui Zhang](#)¹ (1. Bridgewater State University)

Evaluating Large Language Model Accuracy In Structured Academic Settings: Three Case Studies

»[Andres Fortino](#)¹, [Zoey Yang](#)² (1. New York University, New York, 2. New York University, Syrian Arab Republic)

Role of Motivation in Alleviating Dropout Rate in MOOCs

»[Saeed Tabar](#)¹ (1. Ball State University)

DraftKings: A Sports Betting Giant Case Study

»[Anna Serra](#)¹, [Shaoping Zhao](#)¹ (1. Stockton University)

10:00 am **SKO-1: Leadership and Management in the AI Era**
Central Square
Chaired by: Michael Faulkner

The Evolution of the Leader-Manager in the Robotic Era

»[Michael Faulkner](#)¹ (1. DeVry University)

Is AI Still A Mere Tool? Managerial Implications of the Human-AI Symbiosis

»[Daniel Amori Molina](#)¹, [Tung-Shan Liao](#)¹ (1. Yuan-Ze University)

Envisioning Responsible Integration Of Generative AI In Academia And Human Resource Development

»[Robert M Yawson](#)¹, [Alexander M Yawson](#)² (1. Quinnipiac University, 2. Heritage Christian University College)

1:00 pm **MIT Museum Visit**
Meet at the lobby
MIT Museum, Gambrill Center, 314 Main St, Cambridge, MA 02142



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Generative AI to Enhance Supply Chain Resilience

54th NEDSI Annual Meeting
Hershey, PA • March 27-29, 2025



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MEETING ANNOUNCEMENT

The 2025 Northeast Decision Sciences Annual Meeting will be held March 25-27, in Hershey, Pennsylvania. The three-day conference will start on Thursday and continue through Saturday morning. All attendees are invited to the Welcome Reception, President's Reception and Gala Dinner Award Ceremony.

CALL FOR PAPERS

Full papers, abstracts, and workshops are invited for but not limited to the topic areas listed. Undergraduate students may submit proposals for Poster Sessions. Sessions involving practitioners will be given consideration. Submissions will be blind refereed and accepted papers will be published in the online Conference Proceedings. By submitting a manuscript, the author certifies that it is not copyrighted or previously published, has not been presented or accepted for presentation at another professional meeting, and is not currently under review for presentation at another professional meeting. At least one of the authors certifies that he/she intends to register for and attend the conference to present the paper if it is accepted.

All papers, abstracts, and undergraduate posters must be submitted electronically on or before December 15, 2024, via the conference website: www.nedsi.decisionsciences.org. If you have proposals for workshops or roundtable discussions, please email to the program co-chairs.

OUTSTANDING PAPER AWARDS

Outstanding papers are eligible for awards:

- Best Application of Theory
- Best Contribution to Theory
- Bryant University Best Paper Award in Supply Chain Management and Logistics
- David M. Levine Best Paper Award in Innovative Teaching
- Richard Briotta Best Paper Award in Knowledge Management/Strategy
- Best Ph.D. Student Paper Award
- Best Overall Conference Paper Award

PROGRAM TRACKS

- Accounting, Finance, and Economics
- Big Data and Business Analytics
- Cyber Security, IT, and Emerging Technologies
- Public Administration and Policy
- Decision Support Systems (AI, ML, etc.) and Knowledge Management
- Innovative Education, Curriculum, and Cases
- Healthcare and Services Management
- Innovation and Creativity
- Legal, Ethical, and Social Issues
- Operations Management/Operations Research
- Marketing and Consumer Behavior
- Strategy and Organizational Behavior
- Supply Chain Management and Logistics
- Sustainability Management
- Undergraduate/Masters Student Posters

HOTEL ARRANGEMENTS

The host hotel is The Hershey Lodge. For reservations with the conference rate, a link will be made available on the conference website.

OFFICER NOMINATIONS

The NEDSI Nominations Committee welcomes nominations for board members and officers. Contact Amit Arora, University of the District of Columbia at amit.arora@udc.edu. NEDSI is the Northeast Regional Chapter of the Decision Sciences Institute.

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