

The Business School

POSTER SESSION, 9:30am to 12:00pm
Unity Hall 420

A Guide for New Small-Scale Oyster Farmers: Understanding Strategies to Improve Environmental Sustainability and Economic Feasibility

Mengqi Hong (BU), Angela Kroi (BU), Tionge Nakazwe (EVS), Jadon Thomas (MGE)
Advisors: Adrienne Hall-Phillips, Elizabeth Stoddard (EVS)

Adapting to the Hybrid-Electric Shift – Recommendations for Automakers & Automotive Retailers

Amanda Mui (MGE), Isabella Royal (MGE)
Advisor: Walter Towner

Automating Resonant Frequency and Weight Characterization of Percussion Drumsticks at Vater Percussion

Samantha Arroyas (IE), Nicholas DeMasi (IE), Tej Melekote (IE)
Advisors: Brajendra Mishra (ME), Walter Towner
Sponsor: Vater Percussion

Create the Fidelity Metrics Store

John Chau, (DS, MGE), Halim Faker (FT, IE), Mansi Gera (DS), Harshith Iyer (CS), Sophia John (DS)
Advisors: Marcel Blais (MA), Joshua Cuneo (CS), Kwamie Dunbar, Wilson Wong (CS)
Sponsor: Fidelity Investments

Creating Social Change on the WPI Campus

William Barton (BU), Aidan Callahan (BU), Michaela Cluett (BU), Matthew Creed (BU)
Advisor: Adrienne Hall-Phillips

Cyber Defense Center Analysis

Lolita Cani (MIS), Ava Dickman (BU, IST), Alexse LaGuerre (MIS), Jan Pilja (MIS)
Advisors: Kwamie Dunbar, James Ryan, Daniel Treku
Sponsor: State Street

Digitization-Driven Process Improvement in the Acoustic Java Roastery

Jared Bailey (IE), Juliana Fox (IE), Aaron Skaling (IE)
Advisors: Sara Saberi, Joseph Sarkis, Abdullah Yildizbasi
Sponsor: Acoustic Java Roastery

Drumstick Sanding and Cutoff Process Design at Vater Percussion

James Calarese (IE), Avila Thompson (MGE)
Advisors: Walter Towner
Sponsor: Vater Percussion

Evaluating the Operations and Cost-Effectiveness of the UMass Memorial Health Mobile Integrated Health Program MQP

Olivia Dunn (MGE), Sophia Merolle (IE), Cosette Salaun (MGE), Bettina Valentiner Morrison (IE)
Advisor: Renata Konrad
Sponsor: UMass Memorial Hospital

Increasing Awareness of Research Labs at the WPI Business School Through Marketing and Website Development

Noor Andre (IST), Michael LeDuc (MIS), David Pham (MGE)
Advisors: Soussan Djamassbi, Farnoush Reshadi
Sponsor: WPI Business School

Inventory Management at AIS

Allan Anderson (MGE), Joseph Beauregard (MGE), Benjamin Brooks (IE), Antonio Ruiz (IE), Klaidi Varfi (IE)
Advisors: Matthew Hodson, Walter Towner
Sponsor: Affordable Interior Systems (AIS) Inc.

Investigating Artificial Intelligence in Construction of Transportation Infrastructure

Michael Demetriou (MGE), Michael Iannucci (MGE), Akil Morris (CE), Timothy Reidy (MGE)
Advisors: Jessica Rosewitz (CE), James Ryan
Sponsor: New England Infrastructure, Inc

MBTA Beltway Line

Thomas Burns (CE), Eric DePiero (MGE), Nicholas Pye (CE)
Advisors: Leonard Albano (CE), James Ryan
Sponsor: Turner Construction Company

Open Banking Tracking & Insights

Nicholas Leslie (CS), Matthew Maguire (BU), Alexander Presser (CS), Danilo Ruberti (BU, DS), Gabriel Shiu (CS)
Advisors: Marcel Blais (MA), Adrienne Hall-Phillips, Wilson Wong (CS)
Sponsor: Citizens Bank

Optimizing Early Career Talent Forecasting and Allocation

Camden Harris (FT), Michael Sensat (CS), Taeha Song (CS, DS), Seyda Usalan (MGE), Arjun Venat (CS, DS)
Advisors: Marcel Blais (MA), Xin Gao, Adrienne Hall-Phillips, Wilson Wong (CS)
Sponsor: Fidelity Investments

Optimizing WooSox Ticket Sales and Fan Engagement Strategies

Justin Che (DS), Gavin George (BU), Jack Mahoney (DS), Akshay Shinde (DS), Nathan Willemsen (DS)
Advisors: Marcel Blais (MA), Adrienne Hall-Phillips
Sponsor: Worcester Red Sox

Return on Investment: Converting Efficiency into Profitability

Agustin Alzate (IE), Amrit Kaur (IE), Pedro Leao (DS), Jack O'Connell (BU), Matthew Rosenberger (DS, IE), Vaughn Weston (MIS)
Advisors: Fatemah Emdad (DS), James Ryan, Joe Zhu
Sponsor: Sonic Tools USA

Rx Refill Metrics & Prior Authorizations Dashboard

Kenyan Coleman (CS), Hannah Moran (MIS), Hanzalah Qamar (CS), Madison Quattlander (BU), Alexandr Samarin (CS), Deena Selitsky (DS)
Advisors: Marcel Blais (MA), Adrienne Hall-Phillips, Daniel Treku, Wilson Wong (CS)
Sponsor: Mass General Brigham

Saint-Gobain Abrasives: Optimizing the Finishing Process in Bond Plant 7

Aidan Eldridge (IE), Lauren Mitcheson (IE), Abigail Stack (IE), Sean Sullivan (IE)
Advisor: Walter Towner
Sponsor: Saint-Gobain

Sustainable Investments Return and Risk Expectations

Trajan Espelien (CS, MA), Andrew Kovacs (FT), Vu Le (CS), Brandon Lui (CS), Humza Qureshi (DS)
Advisors: Matthew Ahrens (CS), Marcel Blais (MA), Kwamie Dunbar, Daniel Treku
Sponsor: Green Future Wealth Management

Transdisciplinary Design of a Smart Insole for Regulating Shuffling Gait in Parkinson's Disease and Dementia with Lewy Bodies

Mithil Amin (ECE), Michael Gates (ECE), Victoria Grasso (MGE)
Advisors: Xinming Huang (ECE), Elizabeth Long Lingo
Sponsor: WPI ECE Department and UMass Medical School Geriatric Medicine