

Business

POSTER SESSION, 9:30am to Noon Unity Hall 420

A Marketing Plan for an Alternative Method of Workplace Safety in the U.S Construction, Transportation, and Mining Industries Based on Real-time Impairment Detection

Franco Bazzini, Gevorg Khukeyan
Advisor: Edward Gonsalves
Sponsor: Sobereye

Analysis of Agricultural Development Opportunities in Buxton, Guyana

Abdoul Barry, Ralph Lambert, Michael Modine, Benjamin Sseruwagi
Advisors: Walter Towner, Harold Walker (CEEV)
Sponsor: Kristophe Zephyrin

Analysis of Stigma Towards the Mental Health Discussion via Social Media

Mark Bueno, Rachelle Gonzales, Jada Hinds-Williams, Josephine Kim
Advisors: Adrienne Hall-Phillips, Nima Kordzadeh, Jeanine Skorinko (SSPS)

Analyzing Housing Market Trends with Data and External Factors

Alex Bolduc, Reagan Brunelle, Aleksander Proko, Yueting Zhu
Advisors: Robert Sarnie, Michael Elmes, Marcel Blais (MA), Wilson Wong (CS)
Sponsor: Angelo Gordon

Chaos Engineering for Cloud Resiliency

Nestor Lopez, Renee Sawka, Olivia Scola
Advisors: Robert Sarnie, Wilson Wong (CS)
Sponsor: State Street Financial

Continuing Development of a Cloud – Based Enterprise Resource Planning System for Gompei’s Goat Cheese

Gabrielle Acquista, Victoria Buyck, Benjamin Sakac, Sohrob Yaghouti
Advisors: James Ryan, Michael Engling (CS)
Sponsor: Gompei’s Goat Cheese

Design of WPI Townhouses

Christopher Cavallaro, Aidan Murphy, Thijs Seppenwolde, Nicholas Willey, Noah Willey
Advisors: James Ryan, Nima Rahbar (CEAE), Jessica Rosewitz (CEAE)
Sponsor: Worcester Polytechnic Institute

Developing Marketing Recommendations for the LEAP at WPI/QCC

Gabrielle Puchovsky, Lilly Proulx
Advisors: Walter Towner, James Eakin (LEAP)
Sponsor: Worcester Polytechnic Institute

Development of Predictive and Prescriptive Analytical Models Using Customer, Revenue, and Usage Data

William Bazakas-Chamberlain, Abigael Kihu, Michael O’Connor, Shiyu Wu
Advisors: Robert Sarnie, Marcel Blais (MA), Wilson Wong (CS)
Sponsor: SaasWorks

Efficiency Analysis of Partner Organizations: Poverty Stoplight

Kayla Brown, Rebecca Noris, Catherine Salvaggio, Hayden Smith
Advisors: Andrew Trapp, Ryan Madan (PW), Daniel Reichman (CS)
Sponsor: Poverty Stoplight

Evaluating Economic Feasibility and Design of Modular Production Systems in the Steel Industry

Elise Deshusses, Aaliyah Royer, Kenneth Savage, Advait Surana
Advisor: Sara Saberi
Sponsor: Gen-H

Evaluating Quality, Environmental Impact, and Economic Sustainability In Support of Benchmarking Efforts At Twelve Guns Brewing

Domenic DiCenso, Danta Coccagnia, Mary Suckow
Advisors: Edward Gonsalves, Walter Towner, Aaron Sakulich (CEAE)
Sponsor: Twelve Guns Brewing

Fidelity: AI Based Anomaly Detection

Aruzhan Koshkarova, Nathan Kumar, Mitchell Sirois, Austin Zhou
Advisors: Robert Sarnie, Marcel Blais (MA), Wilson Wong (CS)
Sponsor: Fidelity Investments

Improving the Shipping & Receiving Process at Sjogren Industries Inc.

Isabella Landivar, Rayna Sharma
Advisor: Renata Konrad
Sponsor: Sjogren Industries Incorporated

Management Engineering Analysis of WPI Lunabotics Engineering Team

Jaden Meng, Corey Logan

Advisors: Walter Towner, Kenneth Stafford (RBE)

Sponsor: Worcester Polytechnic Institute

Manufacturing Process Standardization at Affordable Interior Systems

Brianna Ankstutus, Martin Carrau, Malysa Deranian, Heather McGlaufflin, Cherylle Eliza Sabilla

Advisor: Walter Towner

Sponsor: Affordable Interior Systems

Process Improvement at Saint-Gobain

Nicole Logrecco, Holly Mason,

Irune Sesma Matamoros, Gabriel Tamayo Uribe

Advisor: Sharon Johnson

Sponsor: Saint-Gobain Abrasives

Process Improvement at Sjogren Industries

Gabriel Comenzo, Michael Souza

Advisor: Sharon Johnson

Sponsor: Sjogren Industries

Redesigning the Worcester Red Sox's Enterprise Mobile Application

Qui Nguyen, Kara O'Neil, Bridget Redgate

Advisors: Robert Sarnie, Sara Saberi, Wilson Wong (CS)

Sponsor: Worcester Red Sox

Sustaining Agriculture through Social Networks in Central Massachusetts

Jeffrey Compere, Abraham Koffman

Advisors: Michael Elmes, Laureen Elgert (SSPS)

The Role of The Quorum Café on the WPI Campus

Calisto Betti, Kell Carlisle, Livia Thomollari

Advisors: Purvi Shah, Sharon Johnson,

Oleg Pavlov (SSPS)

Sponsor: The Quorum Café

Third Party Aggregator Development for FDX API Integration at Citizens Bank

Chelsea Chang, Kevin Inger, Jonathan Metcalf,

Jack Sullivan

Advisors: Robert Sarnie, Wilson Wong (CS)

Sponsor: Citizens Bank

Utilizing Waste to Provide an Economically Viable Alternative to Roofing in Accra, Ghana

Jackson Baker, Michael Morin

Advisors: Debora Jackson, Walter Towner,

Mustapha Fofana (ME), Robert Krueger (SSPS)

Sponsor: Academic City University

Worcester IS Fab Lab MQP Blockchain and Machine Learning Report

Joshua DeBare, Mabel Konadu, Kelsey Moody, Cameron Morreale, Qingbei Shang

Advisors: Robert Sarnie, Marcel Blais (MA),

Wilson Wong (CS)

Sponsor: FAB Lab for Social Good