Detailed Conference Schedule

July 18th, 19th and 20th, 2022

IJCIEOM
28th
International Joint Conference on Industrial Engineering and Operations Management

Supported by:

Organizing Institutions:
Welcoming Words

Dear Colleagues,

It gives me immense pleasure to welcome you to Mexico and to have you here at Anahuac Mexico University. In this 28th edition, we decided to focus on the contributions we have made as Industrial Engineering and Operation Management researchers and professionals, also on the strong changes that have accelerated the evolution of business models and their impact in society. Supply Chain Digital Transformation, Sustainability, Risk Management, Machine Learning, Internet of Things, Nearshore, Omnichannel, Blockchain, Manufacturing 4.0, Big Data and Analytics and lean practices, are some of the topics that will be covered. Keynote speakers will share their vision of these transformations. Companies will offer us applications though workshops and researchers will share the results of their scientific work along the same lines.

We have this space to continue building contact networks for our current and future work.

Enjoy the IJCIEOM.

Greetings,

Víctor Manuel López Sánchez
Conference Chairman & Head of The Center of Top Management in Engineering & Technology (CADIT)
Engineering School, Anahuac Mexico University.

Instructions for virtual attendees

Dear Attendee, we are glad to greet you virtually in this hybrid International Joint Conference IJCIEOM 2022. Here are some instructions and tips in order to guarantee your best participation, presentations and attendance:

1. All the sessions, workshops and ceremonies will be transmitted via Zoom so you can interact with everybody that is on site.

Simply click on the name of the session of your choice and you will be automatically redirected to the corresponding zoom session.

Notice: If you do not have Zoom installed in your device, you can download it here.

2. Once Installed we recommend that you create the best environment possible for your participation: locate yourself in a comfortable and quiet space, with good internet connection and where other people will not interrupt.

3. Test your microphone and webcam. You can do this by starting a new meeting in Zoom and clicking on the top arrow of the microphone symbol on the bottom left of your window. Select the microphone and speakers you want to use and click on Test Speaker & Microphone.

In case of any doubt please do not hesitate to contact us:
Denisse Martinez
dmartinez@bynexpo.com
+52 55 6319 3675
Monday, July 18th

7:30 a.m.
Campus Access B & C

9:00 a.m.
Rectory Auditorium

10:00 a.m.
Rectory Auditorium

11:00 a.m.
Rectory Auditorium

12:00 p.m.
Graduate's Building Basement

1:30 p.m.
MBA Room I
I Operations And Process Management.

Lucas Pitzer Moreira
Strategic Management Of Outsourced Maintenance Service: A Case Study.

Thais Carreira Pfutzenreuter
Exploring The Linkages Between Lean Layout Planning And Performance Improvement.

Thais Carreira Pfutzenreuter
Performance Analytics Role In Operations Strategy.

Robertio Miguel Fuentes Rivera
Success Factors In The Application Of Lean And Six-Sigma Methodologies To Healthcare: A Literature Review.

Luis Pinto Ferreira

3:00 p.m.
Graduate's Building Basement

3:30 p.m.
MBA Room I
IV Operations And Process Management.

Mayara Soares Da Silva
Brazilian Air Force Operations In Response To Migratory Flows: The Case Of Welcome Operation.

Raymundo Rios
Industry 4.0: A Real-Time Cyberphysical System To Execute The Just-In-Time Philosophy In Lean Construction.

Paulo Eduardo Pissardini
Rfid In Industry 4.0: The Technology's Role In Shop Floor Control Operationalisation.

Miry Bitencourt Ferreira

Helena Macedo
Applying Lean Tools To Improve The Performance Of A Small And Medium-Sized Cutlery Company.

On-Site Registration

Opening Ceremony

Plenary Session I
Digital Supply Chains And Sustainability: The New Frontier Is Here.
- Douglas J. Kent (ASCM)

Plenary Session II
- Dr. Jaime Alonso Gomez (Univ. Of San Diego)

Networking Lunch

Parallell Sessions I, II & III

MBA Room II
II Logistics & Supply Chain Management.

Carlos Carneiro
Beyond The Concept Of Lean Construction: A Prescriptive Rationalizing Model For Pipe Systems Manufacturing In A Petro-Chemical Plant.

Frank Schneider Carvalho De Moura
Evaluation Of The Impact Of The Use Of Bicycles, In Place Of The Motorcycles, On The Reduction Of Carbon Dioxide (CO2) Emissions, On Last Mile Operations In Brazilian Postal Service.

Jailson Dos Santos Silva
Analysis Of A Supply Chain In The Light Of The Lcp Model: A Case Of The Shrimp Sector.

Luiza Ribeiro Alves Cunha
Social Supply Chain Risk Management: A Case Study In A Cosmetic Company.

Liane Márcia Freitas Silva
Supply Chain Risk Assessment: Systematic Review And Research Directions.

Graduate's Auditorium
III Other Contribution To Ie & Om Research And Practices.

Carlos Eduardo Sanches Da Silva
Higher Education Rankings: Brazilian Federal Universities.

Jagan Jacob
A Multi-Criteria Decision Making Approach To Finding Relative Weight Of Online & Offline Channels Of Retailing.

Daniel Alejandro Barajas Aranda
Suicide Prediction In Workers Using Naive Bayes.

Verónica Olvera
Sensitivity Analysis Applied To A Collaborative Inventory Model.

Yacob Khojasteh
A Study On Product Recall Problems From Customers' Viewpoint.

Coffee Break

Parallell Sessions IV, V & VI

MBA Room II
V Logistics & Supply Chain Management.

Tal Ben-Ze’ev
Optimizing Empty Containers Repositioning Problem By Using Mf Technology And Block Chain Smart Contracts.

Fabiola Negreiros De Oliveira
Environmental Risks In Supply Chain: A Multiple Case Study.

Guilherme Henrique De Paula Vidal
Mro Inventory Demand Forecast Using Support Vector Machine: A Case Study.

Alexandre Milikевич Sanches

Rafael Torres Escobar
Optimization Models To Design The Crew Training Plan In An Airline.

Graduate’s Auditorium
VI Sustainability.

Danielli Braun Vargas
E-Waste Reverse Logistics For Household Products And Its Regulation: Advances In Brazil.

Letícia De Oliveira Gago Ramos De Souza
Analysis Of Food Waste Management In Brazilian Public Universities Restaurants.

Renata Melo e Silva de Oliveira
Eco-Efficiency Analysis Of The Brazilian Public Transport Based On Data Envelopment Analysis.

Paula Lamperti Fagundes
Monday, July 18th

5:00 P.m.  Professional Workshops I & II

MBA Room I
Supply Chain & Optimization I
Roberto Salazar (Anylogic)
Case Of Dynamic Simulation. Simulation Model For A QSR.

MBA Room II
Supply Chain & Optimization II
Alex France (Anylogistix)
Network Design. How Green Fields, Network Optimization And Simulation

6:30 p.m.  Networking Dinner

Graduate’s Building Basement

Tuesday, July 19th

7:30 a.m.  Attendee Arrival
Campus Access B & C

8:00 a.m.  Opening Words
Graduate’s Auditorium
Changes In Business Models 2030 And Technological Innovation.
- José Marcelo Tam Malaga (Softtek)

8:30 a.m.  Plenary Session III
Graduate’s Auditorium
Digital Transformation In Real Life Projects.
- Arturo Díaz Manzo (Microsoft)

9:30 a.m.  Plenary Session IV
Graduate’s Auditorium
Creating Business Value Through Advanced Analytics In The World Of IoT.
- Ph.d. Gül Ege (SAS)

11:30 p.m.  Networking Lunch
Graduate’s Building Basement

1:00 p.m.  Parallel Sessions VII, VIII & IX

MBA Room I
VII Operations And Process Management.
Malara Cristina Feliceti
Distributed Team Management: A Study Of Impacts And Indicators That Help In Better Performance Management.

Maria Teresa Pereira
Optimizing The Chemical Collection Used In Cork Composites Manufacture.

Nathalia Juca Monteiro
Energy Management Maturity Models: Literature Review And Classification.

Marco Aurélio Dos Santos Diniz
Application Of Lean Office: Opportunities And Trends.

Shayane Betiato Dos Santos
Digital Transformation In The Public Sector: Enabling Technologies And Their Impacts.

MBA Room II
VIII Logistics & Supply Chain Management.
Lucas Menezes Pereira
Opportunities For Strengthening Brazilian Plastic Waste Management Adopting Structural Equation Modelling.

Kívia Mota Nascimento

Jesús Sigifredo Gastélum Valdez
Knowledge Management And Information Technologies: A Conceptual Model For Supply Chain Integration.

Sara Marques Oliveira De Araújo Souza
Use Of Qfd To Prioritize Requirements Needed For Supplier Selection In An O&G Project.

Enrique Ancel Bolanos Sasso
The Effect Of The Human Factor In The Determination And Control Of The Reorder Point. An Empirical Study.

MBA Room III
IX Sustainability & Disaster Management.
Ana Paula Martinez Del Aguila
Waste Management Due To Covid-19 Pandemic.

Camila Kolling

Nicole Cecchele Lago
Disaster Response Operations Of Brazilian Navy – A Longitudinal Case And A Process Perspective.

Enrique Ancel Bolanos Sasso
University-Industry Collaboration From The Perspective Of A Spin-Off: A Case Study.

2:30 p.m.  Coffee Break
Graduate’s Building Basement
Tuesday, July 19th

3:00 p.m.  
MBA Room I
X Product Development & Production Engineering Education.

Claudio De Souza Rocha Junior  
A New Solution To An Old Problem: Inventory Control With Smart Glasses Riverstock.

Pablo Flores Siguenza  
Incorporation Of Life Cycle Analysis Indicators In The Design Of A Dynamic Supply Chain Network.

Marinnys Rodriguez Gasca  
A Simplified Approach To The Process Of Design And Development Of Technological Products: Case Study Of A Charpy Type Testing Machine.

Pablo Perez Akaki  
Machine Learning Process For Data Reduction Applied To Coffee Production Agebs In Mexico According To A Capital Stock Approach.

Lucas Ramon Dos Santos Hermogenes  
Analysis Of Prospective Scenarios: A Study On Educational Reits In Brazil.

Parallel Sessions X, XI & XII  

MBA Room II
XI Work And Human Factors & Healthcare Operations Management.

Jose Cristiano Pereira  
Prevention Of Human Errors In The Visual Inspection During Overhaul Of Aeroengines – A Case Study.

Júlia Kich Chaves  
Sociotechnical Perspective Of Digital Servitization: An Investigation Of Employees’ Competencies.

Francesco Facchini  
A Model To Estimate Operators’ Performance In Accomplishing Assembly Tasks.

Andrea Lucchese  
A Novel Metrics For The Quantification Of The Agent’s Affordance: A Preliminary Study.

Jonathas Sampio Dos Santos  
A Decision Support Methodology Based On AHP To Assess State Level Response To Covid-19 In Brazil.

Graduate’s Auditorium
XII Healthcare Operations Management.

Filipe Loyola Lopes  
A Network Modeling And Analysis Of Covid-19 Hospital Patient Data.

Filipe Loyola Lopes  
Analysis Of Covid-19 Severity Prognosis Using Hospital Data.

Joaquim Lima Das Neves Neto  

Thiago Antonio Souza  
Application Of Heijunka For Surgical Production Leveling.

Carlos Jefferson De Melo Santos  

Geandra Alves Queiroz  
Surgical Flow Improvement Based On Lean Healthcare: A Brazilian Case Study Using The VSM.

4:30 p.m.  
MBA Room I
III Analytics

Rachel Nisbet (SAS)  
Getting Started With SAS Visual Analytics.

Professional Workshops III, IV & V  

MBA Room II
IV Digital Transformation

José Marcelo Tam Malaga (Softtek)  
Lessons Learned Implementing A Dual Transformation Strategy To Accelerate The Value Of Innovation.

Graduate’s Auditorium
V IOT & Robotics

Mauricio Corona (BP Gurus)  
Artificial Intelligence In Service Robotics.

6:00 p.m.  
Graduate’s Building Basement

Networking Cocktail

7:00 p.m.  
Rectory Auditorium

Cultural Event
Mexican Folkloric Dance

- School Of Arts Folkloric Dance Company
Wednesday, July 20th

8:00 a.m.
Campus Access B & C

8:30 a.m.
MBA Room I
XIII Multiarea

Parallel Sessions XIII, XIV & X
MBA Room II

Graduate's Auditorium

XV Data Science And Stochastic Optimization & Managerial Economics

10:00 a.m.
Graduate's Building Basement

10:30 a.m.

Coffee Break

Parallel Session XVI

12:00 p.m.
Rectory Auditorium

Awards And Closing Ceremony

Organizing Institutions:

Supported by:
UNIVERSIDAD ANÁHUAC
CAMPUS MAP

1. Rectoría
   Rectory Auditorium

2. Centro de Estudios de Posgrado
   Graduate’s Building Basement
   MBA Room I
   MBA Room II
   Graduate’s Auditorium

Organizing Institutions:

Supported by: