



2023 IEOM Peru Awards

**4th South American International Conference on Industrial Engineering and Operations Management,
JW Marriott Hotel, Lima, Peru
<http://ieomsociety.org/ieom/awards/>**

Distinguished Industry Leadership Award

Carlos Travezaño
CEO Peru & Ecuador at Siemens
Executive Vice President Smart Infrastructure – South America (w/o Brazil) at Siemens
Lima, Peru

Distinguished Academic Leadership Award

Dr. Elio Iván Rodríguez Chávez
Rector
Universidad Ricardo Palma
Lima, Peru

Dr. Miguel Domingo Gonzalez Alvarez
Vice President for Administration
Professor of Engineering Department
Pontificia Universidad Católica del Perú (PUCP)
Lima, Peru

Distinguished Educator Award

Dr. Santiago Fidel Rojas Tuya
Dean, Faculty of Engineering
Ricardo Palma University (URP), Lima, Peru

Dr. Francisco Rumiche
Dean, School of Science and Engineering
Pontificia Universidad Católica del Perú (PUCP), Lima, Peru

Dr. José A. Santiváñez
Dean of Engineering
UTEC – Universidad de Ingeniería y Tecnología
Lima, Peru

Distinguished Professor Award

Mag. Luis Alberto Zuloaga Rotta
Decano
Facultad De Ingeniería Industrial Y De Sistemas
Universidad Nacional de Ingeniería, Lima, Perú

Mg Victor Manuel Thompson Schreiber
Director of the Professional Department of Industrial Engineering
Universidad Ricardo Palma

Distinguished Industry Achievement Award

Bernardo Rubinstein
Partner, McKinsey & Company
Lima, Peru

Eduardo Herrera
CEO, Celepsa
Lima, Peru

Outstanding Professor in Supply Chain Management Award

Dr. José Antonio Larco Martinelli
Associate Professor and Program Coordinator for Supply Chain & Logistics Coordinator
Industrial Engineering Department
University of Engineering and Technology (UTEC)
Lima, Peru

Outstanding Professor Award

Dr. Wester Zela
Professor in undergraduate and postgraduate programs
Director of the UNI AI Laboratory
National University of Engineering (UNI), Lima, Peru

Dr. Ivan Garibay
Associate Professor
Industrial Engineering and Management Systems
University of Central Florida, Orlando, Florida, USA

Dr. Carlos Raymundo
Research Professor / Administrative coordinator at the Research Office
Universidad Peruana de Ciencias Aplicadas (UPC), Lima, Peru

Outstanding Researcher Award

Juan Carlos Quiroz-Flores, Ph.D.
Research Professor – ULima
Facultad de Ingeniería y Arquitectura
Carrera de Ingeniería Industrial
Universidad de Lima, Peru

Teaching, Learning and Assessment Award

Hugo Chacón Moscoso
Director de la Escuela Profesional de Ingeniería Industrial
Facultad de Ingeniería y Arquitectura
Universidad de San Martín de Porres
Programa Acreditado por ABET, ASIIN, ICACIT y SINEACE
Peru, Lima

Teaching and Learning Excellence Award

Dr. Lauro Enciso
Full Professor of Computing Courses in Informatics Department
Dean of Electrical, Electronics, Informatics & Mechanics Engineering Faculty (FIEEIM)
Universidad Nacional de San Antonio Abad del Cusco
Cusco, Perú

Lucia M. Bautista Zuñiga
Docente Asociado
Directora Académica
Docente Investigadora Renacyt
Universidad Privada del Norte (UPN)
Lima, Perú

Digital Transformation Award

Alberto Valle
Country Business Unit Manager – Factory Automation
Siemens
Lima, Peru

Outstanding Project Management Award

A. Guillermo Joo Aguayo
Supervisor de Proyectos de Inversion
Project Manager
Petroperú S.A.
San Isidro, Lima, Perú

Industry Solutions Award

George Reinoso Vasquez
Plant Optimization Manager – Peru Plant
The Goodyear Tire & Rubber Company
Callao, Peru

Carolina Carbone Moane
Client Experience Manager
Mibanco
Lima, Peru

Engineering Education Award

Elena Espinoza Rios
Facultad de Ingeniería
Coordinador Modalidad a Distancia
Ingeniería Empresarial y Sistemas e Informática
Universidad Continental, Peru

Global Engineering Education Award

Dr. Julián Arellana
Dean, College of Engineering
Associate Professor, Department of Civil and Environmental Engineering
Universidad del Norte
Barranquilla, Colombia

Global Business Management and Diversity Award

Franklin Cordova-Buiza
Research Teacher
Department of Industrial Engineering
Universidad Privada del Norte (UPN), Lima, Peru

Global Supply Chain and Logistics Award

Luis Felipe Turbides
Director of IT, Optimization and Projects
DP World Callao, Peru

Industry 4.0 Award

Mag. José Antonio Taquía Gutiérrez
Researcher at IDIC – Scientific Research Institute – Universidad de Lima
Professor at Engineering Faculty – Universidad de Lima
Member of Industry 4.0 and applied analytics research group

Dr. Christopher Harris
Associate Professor of Computer Science
University of Northern Colorado
Greeley, Colorado, United States

Innovation Award

Claudia León Chávarri
CEO & Co-founder at Ingenio C&E
Full Time Professor, Carrera de Ingeniería Industrial
Universidad Peruana de Ciencias Aplicadas (UPC)
Monterrico, Santiago de Surco, Peru

Data Science Award

Dr. Yamilet Serrano Llerena
Head of Data Science Department
UTEC - Universidad de Ingeniería y Tecnología
Lima, Peru

Data Analytics Award

Aracelli Centeno
Senior Process Architect
Registro Nacional de Identificación y Estado Civil (RENIEC)
Lima, Peru

Lean Six Sigma Award

Dr. Tony Prensa, PhD, MBA, PMP, CB-PMO, CCP, ITIL, 6σ
Chief Executive Officer & Founder
TP Global Business Consulting, LLC, Orlando, Florida, USA

Distinguished Service Award

Dr. Mario Chauca
Professor of Industrial Engineering
Universidad Ricardo Palma

Dr. Sandro Paz
Professor and Director, Department of Industrial Engineering Program
Pontificia Universidad Catolica del Peru
San Miguel, Lima, Peru

Woman in Industry and Academia Award

Karol Muñoz
Docente de Ingeniería Mecatrónica
PONTIFICIA UNIVERSIDAD CATÓLICA DEL PERÚ
Avenida Universitaria N° 1801
San Miguel, Lima 32 – Perú

Cinthia Vargas Figueroa
Senior Manager of Human Resources, Volcan Compañía Minera
Part time Professor Post Grade and Senior Coach
Universidad ESAN Graduate School of Business, Peru

Competition Winners

Undergraduate Student Paper Competition Sponsored by Siemens - Online

First Place

ID 88 Lean Management Practices Applied in Retail Sector Businesses: a Systematic Review of Literature

Romina Samantha Egoavil Bazán, Universidad de Lima, Facultad de Ingeniería y Arquitectura, Lima, Peru
Nataly Selene Rodriguez Ortiz, Universidad de Lima, Facultad de Ingeniería y Arquitectura, Lima, Peru
Juan Manuel Machuca De Pina, Universidad de Lima, Facultad de Ingeniería y Arquitectura, Lima, Peru

Second Place

ID 207 Product Design of Adjustable Mini Static Bicycle Using Nigel Cross Method

Jennifer, Sarah Corralynn, Charin Natasha Tarigan, Ariz Farhan, and Wiradhika Putra Anugerah, Departement of Industrial Engineering, Faculty of Engineering, Universitas Sumatera Utara, 20222, Medan, Indonesia

Third Place

ID 98 Inventory Policy for the Demand of Main Products: The Case of a Peruvian Grocery Store

Joshep Delfin Mauricio Espinoza, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Lima, Perú
Emilio Huaynate Ricaldi, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Lima, Perú
Marcos Fernando Ruiz-Ruiz, Associate Professor, Universidad de Lima, Lima, Perú

Undergraduate Student Paper Competition Sponsored by Siemens - Onsite

First Place

ID 109 Chemometrics Didactic Experiment for the planning of experiments: Efficiency of Natura perfume brand

Maria E. Puelles Bulnes, School of Industrial Engineering, Ricardo Palma University, Santiago de Surco, Lima, Peru
Adrian Barriga, Alvaro Juarez, Henry Segura, Kiara Gutierrez and Nicolle Trigueros, Students of Industrial Engineering, Ricardo Palma University, Santiago de Surco, Lima, Peru

Second Place

ID 80 Designing the Prototype Aquatic Rescue Robot Based on the Biomimicry of the Istiophorus (sailfish)

Bernabé Oscco, José Mayorga, Víctor Cuyotupac, Leonardo Macetas and Mario Chauca, Escuela de Ingeniería Mecatrónica, Universidad Ricardo Palma, Santiago de Surco, Lima, Perú

Third Place

ID 6 Characterization of energy efficiency in lighting systems using solar panels by light self-regulation applied to higher education centers

Heder Portocarrero, Nayelly Parra, Mauricio Lúcar, Alonso López and Juan Reyes, School of Civil Engineering, Ricardo Palma University, Santiago de Surco, Lima, Peru

Undergraduate Research Competition

First Place

ID 108 Business Agile Model for Startups in the Meat Industry using Digital Marketing, Lean Canvas and Lean Startup

Alexandro Manuel Gutierrez-Posadas and Renzo Leonardo Vargas-Castillo, Bachelor of Science in Industrial Engineering, Facultad de Ingeniería y Arquitectura, Universidad de Lima

Juan Carlos Quiroz-Flores, Research Professor, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Perú

Ruth Vasquez-Rivas-Plata, Research Professor, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Perú

Martin Fidel Collao-Diaz, Research Professor, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Perú

Second Place

ID 203 Characterization of the ecological impact of the oil spill associated with the intervention of the state in the protection of marine biodiversity

Jean Diaz, Alejandra Escalante, Milagros Garcia, María Tello, Abraham Zamudio, Alvaro Aliaga and Mario Chauca, Escuela de Ingeniería Industrial, Universidad Ricardo Palma, Santiago de Surco, Lima, Perú

Third Place

ID 83 Characterization of Energy Efficiency in Lighting Systems Using Solar Panels by Light Self-Regulation Applied to Higher Education Centers

Heder Portocarrero, Nayelly Parra, Mauricio Lúcar, Alonso López, Juan Reyes and Mario Chauca, School of Civil Engineering, Ricardo Palma University, Santiago de Surco, Lima, Perú

Human Factors and Ergonomics Competition Sponsored by Cintas

First Place

ID 305 A Cross-Sectional Study on Anger Expression among Students in University of Cyberjaya, Malaysia

Nur Aimi Nadiyah Binti Rosdan, Student, School of Medicine, University of Cyberjaya (UoC), Cyberjaya, Malaysia

Kirsharupini Gopalakrishnan, Abu Huzaifah Bin Muhamad Sharman, Kenny Anak Paschal and Dr. Muhammad Radhi Ahmad, School of Medicine, University of Cyberjaya (UoC), Cyberjaya, Malaysia

Second Place

ID 204 Identification of Ergonomic Risk Factors and Safety Concerns in Metal Fabrication Industries

S.M. Hasanuddin, Student, Methodist College of Engineering and Technology, Hyderabad, India

Qutubuddin S.M., Associate Professor, P.D.A. College of Engineering, Kalaburagi, India

Ayesha Fatima, Student, Stanley College of Engineering and Technology for Women, Hyderabad, India

Third Place

ID 198 Gamification in Occupational Safety Training: A Systematic Literature Review

César Alonso Nazael Condori Colán, Daniel Alejandro Barco Peralta, Rafael Mauricio Villanueva Flores and Juan Carlos Morales Gomeró, Universidad de Lima, Peru

Covid-10 Competition

ID 206 Sustainability of Construction Company Waste Management in the Industrial Era 5.0 - Post Pandemic Covid-19

Yenita, Faculty of Economics and Business, Universitas Tarumanagara, Letjen S. Parman No. 1 West Jakarta, Indonesia

Master's Thesis Competition

First Place

ID 196 Referential Strategic Socioeconomic Business Model, to Increase Competitiveness by Sustainable Development of Amazon Forest

Julio Lu-Chang-Say, Universidad Nacional de Ingeniería, Peru

Second Place

ID 210 The Investigation of 4.5G Service Quality Using the SERVQUAL Method in the Gaziantep

Busra Savcili, Faculty of Industrial Engineering, University of Gaziantep, Turkey

Alptekin Durmusoglu, Faculty of Industrial Engineering, University of Gaziantep, Turkey

High School STEM Competition

First Place

ID 174 Node-RED for PLC Automation

Daniel Ribeiro de Sousa and Vitor Mendes Caldana, Federal Institute of Sao Paulo (IFSP) – Sorocaba Campus, Sorocaba, Sao Paulo, Brazil

Second Place

ID 91 Factors Affecting Intention to Accept Artificial Intelligence-based Smart Aquaculture System

Jung Ji-Seok and Shin Dong Ho, Student and Professor, My Paul School, Goesan-gun, Chungcheongbuk-do, Republic of Korea
Jeongwon Kim, Student, Department of Economics, College of Economics, Nihon University, Chiyoda-ku, Tokyo, Japan

Third Place

ID 90 Legal Research on Decision-Making in Artificial Intelligence and Corporate Management

Kim See You and Shin Dong Ho, Student and Professor, My Paul School, Goesan-gun, Chungcheongbuk-do, Republic of Korea
Jeongwon Kim, Student, Department of Economics, College of Economics, Nihon University, Chiyoda-ku, Tokyo, Japan

ID 306 Studying the Behavior of Neural Networks

Anas Ali, Michigan Islamic Academy, Ann Arbor, Michigan, USA

Graduate Student Paper Competition sponsored by Eaton Corporation

First Place

ID 177 Lean Manufacturing for Process Improvement: A Bibliometric Review

Fabiola Hermosillo Villalobos, Omar Celis Gracia, Jorge Luis García Alcaraz and Francisco Javier Estrada Orantes, Department of Industrial Engineering and Manufacturing, Autonomous University of Ciudad Juárez, Ciudad Juárez, Chihuahua, México

Second Place

ID 173 Lean Six Sigma Approaches Trend: A Bibliometric Review

Omar Celis Gracia, Fabiola Hermosillo Villalobos, Jorge Luis García Alcaraz and Francisco Javier Estrada Orantes, Department of Industrial Engineering and Manufacturing, Universidad Autónoma de Ciudad Juárez, Ciudad Juárez, Chihuahua, México

Supply Chain and Logistics Competition

First Place

ID 205 Evaluation of Indicators for Developing Supply Chain Resilient in the Healthcare Industry of Indonesia

Meitreya Taris, Department of Industrial Engineering, Faculty of Engineering, University of Indonesia, Depok, Jawa Barat, Indonesia
Romadhani Ardi, Faculty Member, Dept. of Industrial Engineering, Faculty of Engineering, University of Indonesia, Depok, Jawa Barat, Indonesia

Second Place

ID 7 Benefits and Effects of Tesla's Direct-to-Customer Sales Model

Jeremy Asuncion, Momo Murphy, Nikolai Prutow, Maxwell Siantar, Jeffrey Tyre-Vigil and Mohamed Awwad, Industrial and Manufacturing Engineering Department, California Polytechnic State University, San Luis Obispo, CA 93407, USA

Third Place

ID 36 The Airborne Fulfillment Center: Understanding the Feasibility and Limitations of the Flying Vessel

Evan Engler, Eric Cheon, Gabriella Fajardo Gomez, Lance Wharton, Jakob Teksler and Mohamed Awwad, Industrial and Manufacturing Engineering Department, California Polytechnic State University, San Luis Obispo, CA 93407, USA

ID 82 Prospective Analysis of Water Supply Through Analytical Methods for a High Andean Population

Jair Gómez, Keren Guzmán, Paulo Huanaco, Leonardo Porras, Ladhya Sierra and Mario Chauca, Escuela de Ingeniería Civil, Universidad Ricardo Palma, Santiago de Surco 15039, Lima, Perú

Simulation Competition

First Place

ID 84 Characterization of Soils and Their Resistance Through the Unconsolidated Direct Shear Test in a Coastal City

Isaac Caycho, Junior Llerena, Johan Murillo, Gabriel Loarte, Sabrina Ramirez and Mario Chauca, Escuela de Ingeniería Civil, Universidad Ricardo Palma, Santiago de Surco 15039, Lima, Perú

Second Place

ID 34 Simulation Competition, Discrete Event Simulation on a Production Line and Applying the Kanban Definition of a Welding and Machining Cell Process

Kaique de Sousa Menck da Silva, Bruna Meire Kuhl Gomes, Renan Matheus da Silva Pontes, Thiago Fernando Rosa Teodoro, Henrique Ewbank de M. Vieira and Rodrigo Luiz Gigante, FACENS UNIVERSITY, Sorocaba, São Paulo, Brazil

Lean Six Sigma Competition sponsored by Tooling Tech Group

First Place

ID 208 Diseño de Propuesta de la Cadena de Operaciones de ADEICS Utilizando Lean Six Sigma

Alberto Elias Julian L., Fabiana Angelid Retamozo T. and Kendra Ysabel Bernal F., Departamento de Ingeniería Industrial, Universidad de Ingeniería y Tecnología - UTEC, Lima, Perú

Second Place

ID 81 Building Vulnerability Reduction Through Lean Construction and BIM Methodologies to Boost Productivity and Effectiveness in the High Andean Area

Sebastián R. Tejada, Roberto M. Minaya, Kiara Y. Cáceres y Rosa M. Cruz and Mario Chauca, Escuela de Ingeniería Civil, Universidad Ricardo Palma, Santiago de Surco 15039, Lima, Perú