



2021 IEOM Awards – Haiti, June 16, 2021, 4-6 pm

IEOM Distinguished Leadership Award

- Dr. Agustín Rullán Toro – Chancellor, University of Puerto Rico Mayagüez (UPRM) and Professor of Industrial Engineering Puerto Rico, USA

IEOM Distinguished Educator Award

- Professor Nilza Aples, Dean, Faculty of Engineering and Computing, University of Technology, Jamaica, Kingston, Jamaica
- Dr. Arturo Del Villar, Academic Vice-Rector, Dean of the School of Engineering, and Professor Operations Research II INTEC. Instituto Tecnológico de Santo Domingo
- Professor Juliane Pasos, Dean, Faculty of Science and Technology, University of Belize

Distinguished Industry Achievement Award

- Edmundo GIL-TAVAREZ, Managing Director, PE, Proyectos Especiales, Dominican Republic
- Julius "Chip" Ritter, VP of Sales, Industrial Machinery & Heavy Equipment, Siemens Digital Industries Software, Indianapolis, Indiana, USA
- Marco Arias, Macro Logistics, San José, Costa Rica

Distinguished Professor Award

- Dr. Ing. Humberto R. Álvarez A., Profesor de Ingeniería Industrial, Facultad de Ingeniería Industrial, Universidad Tecnológica de Panama
- Dr. Nelson Gómez-Torres, Director, Programa de Ingeniería Industrial y de Gerencia, Department of Engineering, Universidad Ana G. Mendez, Gurabo, Puerto Rico 00778, USA
- Rudy Wilfredo Chicas, Director, Engineering of Information Systems, Universidad de El Salvador
- Ing. César Urquizu, Director EMI, Escuela de Mecánica Industrial de la Facultad de Ingeniería, Universidad De San Carlos De Guatemala
- Dr. Denis Aguilar, Director de Carrera, Director de Ingeniería, Universidad Tecnológica de Honduras

Outstanding Professor Award

- Dra. Ericka Elizabeth Valle Galo (Ingeniería Industrial). Universidad Nacional Autónoma de Honduras en el Valle de Sula
- Eng. Harold Cordero, Chair of Production Engineering Department at Costa Rica Institute of Technology, Costa Rica
- MA. Javier Arias-Osorio, Full Professor, School of Industrial and Business Studies, Universidad Industrial de Santander – UIS, Colombia
- Josephs Oneil, Director, Industrial Engineering Program, School of Engineering, University of Technology, Jamaica
- Mr. Hervé Jean-François, Université Quisqueya, Port-au-Prince, Haiti

Outstanding Academic Award

- Dr. Glenville Davis, Assistant Professor/Chair, Business & Hospitality Management, University of the Bahamas, Nassau, Bahamas
- Dr. Chanan Syan, Professor of Production Engineering and Management at University of the West Indies, St Augustine Campus, Trinidad and Tobago
- Yolaine Cisneros Rodríguez, Professor, Faculty of Business Sciences and Administration, Department of Industrial Engineering, University of Holguín, Holguín, Cuba

IEOM Outstanding Researcher Award

- Dr. Osvaldo Aquines-Gutiérrez, Research Professor, Chair at the Department of Physics and Mathematics, School of Engineering and Technologies, Universidad de Monterrey, San Pedro Garza García, NL 66238, Mexico

Supply Chain and Logistics Award

- Felix Mena, Logistics Coordinator, A1 Services Ltd., Nicaragua
- Elvis Joel De Sedas Vergara, Manufacturing and Operations Manager, JCain & Co., MIT Logistic Park, Colon, Panama

Innovation and Entrepreneurship Award

- Dr. Alvaro Figueredo, Director Technology Transfer, Universidad del Valle de Guatemala, Guatemala
- Mischael Bellot, CEO and Co-Founder of Solo Bag, Haiti

IEOM Woman in Industry and Academia Award

- Miriam Patricia Rubio Contreras, Senior Advisor, University of San Carlos, Guatemala
- Florise DOSSOUS, Ph.D., President of the Université Américaine Des Sciences Modernes Haiti (UNASMOH),
- Dr. Aranzazu Berbey Alvarez, Railway engineering researcher and associated professor at the Technological University of Panama

IEOM Global Education Award

- Dr. Kendra L. Harris, Dean of the School of Business, University of the Virgin Islands
- Márian Pérez Pérez, Professor, Department of Industrial Engineering University of Holguin, Cuba

Senior Design Faculty Advisor Award

- Jannette Perez Barbosa, Department of Engineering, Universidad Ana G. Mendez, Gurabo, Puerto Rico 00778, USA

IEOM Industry 4.0 Award

- Vantz BRUTUS, Chief Executive Officer, Nextep Communication, Haiti

Industry Solutions Award

- Ramón Monterrosa, Project Manager, AES Corporation, El Salvador
- Carlos Eduardo Pérez, Industrial Engineer - Lean Six Sigma Black Belt, Intradeco, El Salvador
- David Evenor Berrios Novoa, Senior Project Program Manager en Yazaki Service, Nicaragua
- Gladstone King, Engineering Manager, JISCO ALPART Jamaica, Kingston, Jamaica

Lean Six Sigma Award

- Cayetano Rodriguez Miseses, Professor of the Industrial Engineering School and Lean Six Sigma Consultant at Instituto Tecnológico de Santo Domingo (INTEC), Dominican Republic
- Victoria Canela, ASQ- CQE, Manufacturing Manager, Jabil Healthcare, Santo Domingo, Dominican Republic

Supply Chain Teaching Award

- Gómez Fidel, Professor, Universidad Thomas More and Supply Chain Management Professional, Nicaragua

Teaching Excellence Award – IE & OM

- Dr. Cilla Pemberton, Lecturer in Industrial Engineering, University of West Indies at St. Agustin Campus, Trinidad and Tobago
- Dr. Bernard Watler, Dean, Faculty of Management and Social Sciences - FMSS, University of Belize
- Dr. Tej Bahadur Shrestha, Assistant Professor, Department of Mathematics, University of the Bahamas, Nassau, Bahamas

Teaching and Learning Award

- Dr. Sonia M. Bartolomei-Suarez, Professor, Department of Industrial Engineering , College of Engineering, University of Puerto Rico at Mayaguez, Puerto Rico, USA

IEOM Distinguished Service Award

- Dr. Eldon Caldwell, Director, Industrial Engineering Department, Engineering School, University of Costa Rica, San Jose, Costa Rica
- Professor Vladimyr Léveillé, Coordination, Industrial Engineering Department, Université Quisqueya, Port-au-Prince, Haïti

IEOM Outstanding Service Award

- Hallen-by Guitemberg Lamarque, Agronomist, Assistant Professor, Infoworld University, Port-au-Prince, Haiti, Master in Agribusiness Management Student at Rome Business School
- Thayana Prézil, Industrial Engineering Student, Industrial Engineering Department, Université Quisqueya, Port-au-Prince, Haïti

Outstanding Student Leadership Award

- Augustin Woodson, Université Quisqueya, Port-au-Prince, Haïti
- Charélus Aumelle E., Université Quisqueya, Port-au-Prince, Haïti
- Fidélia Neïka, Université Quisqueya, Port-au-Prince, Haïti
- Murat Richecard, Université Quisqueya, Port-au-Prince, Haïti
- St-Cloud Naiska Emmanuella, Université Quisqueya, Port-au-Prince, Haïti

Outstanding Academic Award

- Antoine Obed, Université Quisqueya, Port-au-Prince, Haïti
- Ilsaint Bleed, Université Quisqueya, Port-au-Prince, Haïti
- Massillon lyse Cynthia, Université Quisqueya, Port-au-Prince, Haïti

Student Entrepreneurship Award

Freelancer Marcelo Lopez
Student, Bachelor in Electronics Engineering in Ceutec, Tegucigalpa, Honduras
Student, Web Development and Design in Ceutec, Tegucigalpa, Honduras
Student, IT Support Specialist in Google Grow
Programmer in JavaScript, C++, C# and Java

Competition Awards

Senior Design Project Competition Award

1st Place Winner

ID 238 Process Optimization and Identification of Franchising Opportunities for Flower Shop, Inc. in Puerto Rico
Dianeliz Ortiz Martes, Ricardo Rosa Marcano and Ricardo Rodriguez Ramirez, Department of Engineering, Universidad Ana G. Mendez, Gurabo, Puerto Rico 00778, USA

2nd Place Winner

ID 235 Improvement of Receiving and Handoff Service Times at a Car Dealership
Jonathan Cabrera Ortiz, Daishamaris Rivera de Jesús, Dwight Tapia Santos and Jannette Perez-Barbosa, Department of Engineering, Universidad Ana G. Mendez, Gurabo, Puerto Rico 00778, USA

3rd Place Winner

ID 271 Improving the Efficiency of a Manufacturing Production Line
Jemaine Baily, Ricardo Scott, Wilbert Clarke, Shawn McLaren and Junior A. Bennett, Industrial Engineering Department, University of Technology, Jamaica

4th Place Winner

ID 295 Redesigning a Lithium-Ion Battery Temperature and Internal Pressure Monitoring Device
J. Catuche, S. Gaye and Dr. J. Xu, University of the District of Columbia, Washington, DC, USA

ID 301 Design of an Organizational Culture Instrument and its Continuous Improvement Roadmap for an Automotive Supplier Company
Daniela Cruz-Paniagua, Marynthia Chapa-Rodríguez, Alondra Rosas-Díaz, and Bárbara Gallegos, Engineering Management B.Sc. Students, Engineering Management Academic Program, Universidad de Monterrey, San Pedro Garza García, Nuevo León, México
Luz María Valdez-de la Rosa, Professor, Engineering Management Department, Universidad de Monterrey, San Pedro Garza García, Nuevo León, México

Undergraduate Student Paper Competition Award

1st Place Winner

ID 256 Ergonomic Risk Assessment and Postural Analysis of Workers in Small Garment Industries by RULA using Digital Human Modeling
Arbaaz Sohail, Student, Department of Industrial & Production Engineering, P.D.A.College of Engineering, Kalaburagi, India
Qutubuddin S.M., Associate Professor, Department of Industrial & Production Engineering, P.D.A.College of Engineering, Kalaburagi, India
Pooja Aloorkar, Student, Department of Industrial & Production Engineering, P.D.A.College of Engineering, Kalaburagi, India
Nikhilkumar, Student, Department of Industrial & Production Engineering, P.D.A.College of Engineering, Kalaburagi, India

2nd Place Winner

ID 254 Impact of Training and Development on Employee Performance on the Hotel Industry in Sri Lanka
Aysa Zeenath Aslam and Gayashini Shyanka Ratnayake, Informatics Institute of Technology, 57 Ramakrishna Rd, Colombo, Sri Lanka

3rd Place Winner

ID 294 Production time estimation on a ConWIP line that includes scrap and rework
Fiorella Espinoza, Universidad de Costa Rica

Graduate Student Paper Competition Award

1st Place Winner

ID 249 Operations Research in Port Logistics
Cinthya Mariam Peña Rua, Juan Sebastián Jaén Posada, ALIADO research group, Faculty of Engineering, University of Antioquia, Medellín, Colombia
Carlos Alberto Pastrana Arango, Juan José Bravo Bastidas, International business and foreign trade, University of Valle, Valle del Cauca, Colombia

2nd Place Winner

ID 240 Innovation of the Higher Education System in Haiti Using Immersive Technology
Sem Lafleur, Senior IT Program Manager, Office for Business and Community Economic Development, University of Minnesota
Tariq Samad, Senior Fellow, Technological Leadership Institute, University of Minnesota

3rd Place Winner

ID 248 Genie industriel
Hantz Kaoly Guerrier, Université Quisqueya, Petion Ville, Port-au-Prince, Haiti

Undergraduate Research Competition Award

1st Place Winner

ID 221 Minimizing the Effect of Covid-19 Pandemic as One of the Supply Chain Disruption in a Timber Trade Sector
Christienne Austin Bernardo, Celenina Grace Cruz, Kate Antonette Dy, Hector Jamero, Norvin Mindoro and John Russel Tan
Industrial Engineering Department
Technological Institute of the Philippines
Cubao, Quezon City, Philippines

2nd Place Winner

ID 220 Alginate Concentration Optimization for the Production of Edible Spheres
Juan Estrada, Diego Múzquiz, Fernando Vega, Jorge Hernández and Marcelo Tamez
Department of Industrial, Innovation & Development Engineering
Monterrey Institute of Technology and Higher Education,
Monterrey, Mexico

Simulation Competition Award

1st Place Winner

ID 267 Simulation of an oil change process at an automobile repair shop
Andreia Antunes Coelho, Gustavo Henrique de Oliveira, Letícia Marquezin, Lucas Anderson Ismirim Milano, Marcos Vinicius Menezes de Toledo, Vitor Augusto Cassiano Feijó, Henrique Ewbank, and Rodrigo Luiz Gigante
Production Engineering Department, Facens University, Sorocaba, BRAZIL

2nd Place Winner

ID 266 Simulation of a real-world animal food filling process
Jamilly Carolina Furtado César, Lais Fasiaben Lemes, Nicolly Domingues Perillo, Stephanie Ricco Ribeiro, Thaynara Poncio, Henrique Ewbank, and Rodrigo Luiz Gigante
Production Engineering Department, Facens University, Sorocaba, BRAZIL

Lean Competition Award

1st Place Winner

ID 259 Improvement in Quality of Automotive Shock Absorber using Statistical Analysis
Vishesh Joshi, Master of Science in Industrial Engineering
Sanjay Maheshwari, Master of Science in Automobile Engineering
Ahad Ali, Industrial Engineering Program
A. Leon Linton Department of Mechanical, Robotics and Industrial Engineering, Lawrence Technological University, Southfield, MI 48075, USA

2nd Place Winner

ID 261 Minimizing Bond Splits between Rubber Extrusion and Mold Material in Vehicle Glass Run System
David W. Shepler, Ahmed Alnasser and Ahad Ali
A. Leon Linton Department of Mechanical, Robotics and Industrial Engineering
Lawrence Technological University, Southfield, MI 48075, USA

3rd Place Winner

ID 262 Implementing Six Sigma to Improve A/C Repair Requests Turnaround
Mustafa Albahrani, Moayad Alhabobi, Kevin McCabe and Ahad Ali
A. Leon Linton Department of Mechanical, Robotics and Industrial Engineering
Lawrence Technological University, Southfield, Michigan, USA

Supply Chain Competition Award

1st Place Winner

ID 290 Improving Supply Chain and Logistics in the Wind Turbine Industry using Six Sigma
Abhishek Ashtagi, Pablo Ripodas and Ahad Ali, A. Leon Linton Department of Mechanical, Robotics and Industrial Engineering, Lawrence Technological University, Southfield, Michigan, USA

2nd Place Winner

ID 268 Empirical Models Development and Analysis of Green Supply Chain Management of Manufacturing Sector in Malaysia
Roshna Ahmed Shipa and Abdul Talib Bon, Faculty of Technology Management and Business, Universiti Tun Hussein Onn Malaysia, Parit Raja, Batu Pahat 86400, Johor, Malaysia
Ahad Ali, A. Leon Linton Department of Mechanical, Robotics and Industrial Engineering, Lawrence Technological University, Southfield, Michigan, MI 48075, USA

Covid-19 Competition Award

1st Place Winner

Karlsen Paul
Université Quisqueya
Haiti

2nd Place Winner

John Woodson
Université Quisqueya
Haiti

Protecting Your Family from Corona Virus, Mackenson Vergé,
Université Quisqueya
Haiti

3rd Place Winner

Don Wooddeley Victor
Université Quisqueya
Haiti

Innovative Idea Competition Award

1st Place Winner

Use of single-use plastic for its application in additive manufacturing
Michael Fernandez
University of Costa Rica

2nd Place Winner

ID 304 SCRICK
The future of the food
Erick Blanco Ureña and Dr. Félix Badilla Murillo, University of Costa Rica

Undergraduate Poster Competition

1st Place Winner

ID 296 Evaluation of Capacity scenarios for the Optimization of Sars-Cov-2 Molecular testing in Costa Rica
Irina Castillo, Sergio Gutiérrez, Micaela Rodríguez, Tamara Solano and Dr. Allan Orozco
University of Costa Rica
San José, Costa Rica

2nd Place Winner

ID 303 Development of a low-cost device for forest fire prevention and monitoring of environmental conditions
Fabían Marín, Tecnológico de Costa Rica

3rd Place Winner

ID 283 Protecting Your Family from Corona Virus
Mackenson Vergé
Université Quisqueya
Delmas, Port-au-Prince, Haiti

Video Competition

1st Place Winner

Agro Ecology
Sterly Pauliscat
Université Quisqueya
Haiti

Moving people from poverty to prosperity

Sterly P. & Ronald C.
Université Quisqueya
Haiti

2nd Place Winner

Mango Juice
Thayana, Neika and Bleed
Université Quisqueya
Haiti

3rd Place Winner

Social Entrepreneurship
Anack Antoine
Université Quisqueya
Haiti