

ALBERTO ALONZO CHRISTOPHER

INDUSTRIAL MECHANICAL ENGINEER *Professional License No. 2011-031-019*

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Professional Profile

LinkedIn: <https://www.linkedin.com/in/alberto-alonzo>



Academic Profile

ORCID: <https://orcid.org/0009-0009-0463-1241>

ACADEMIC AND PROFESSIONAL BACKGROUND

PhD in Public Management and Business Administration

Central American Institute of Public Administration, *ongoing*

Master of Science of Public Administration with emphasis on Public Policies

Central American Institute of Public Administration, *ongoing*

Master of Business Administration with emphasis on Enterprise Management Specialization in Senior Management

Latin University of Panama

Master in College Teaching specialization in Educational Technology and Didactics Postgraduate Specialization in College Teaching

Technological University of Panama

Postgraduate Specialization in Logistics

Technological University of Panama

Bachelor of Science in Industrial Mechanical Engineering

Technological University of Panama

Projects Integrating Sustainable Methods Foundations

Green Project Management

Agile · Scrum Professional · Lean · Six Sigma Yellow Belt

Lean Six Sigma Solutions

Auditor ISO 9001:2015 · ISO 14001:2015 · ISO 45001:2018

SGS Panama Control Services *1801/SGS-CBE/PAN/08/17/25*

Project Engineer Qualified Professional

Engineering and Architecture Technical Board *SRO-2357*

Company Manager Qualified Professional

Engineering and Architecture Technical Board *SRTE-3641*

Commercial Broadcaster

National Authority of Public Services *LL-8871-2015*

Peer Evaluator of Higher Education Programs

Central American Agency for Accreditation of Architecture and Engineering Programs *ID 1.031.042*

PROFESSIONAL AND SCIENTIFIC ASSOCIATIONS

Institute of Electrical and Electronic Engineers IEEE

Member No. 98085146 · IEEE Panama Section
Chapter Secretary TEM14 Panama Section 2023-2025

- Technology and Engineering Management Society TEMS
- Circuits and Systems Society CASS
- Education Society
- Young Professionals YP
- Special Interest Group on Humanitarian Technology SIGHT
- Consultants Network
- Systems Council
- Pre-University STEM Community
- Entrepreneurship Exchange Community
- Smart Cities Community
- Internet of Things Community
- Big Data Community
- Micro Electromechanical Systems Technical Community

Project Management Institute PMI

Member · PMI Panama Chapter
PMI Educational Foundation PMIEf

Panamanian Association for Advancement of Science

Member

Panamanian Association of Educational Researchers

Member

Industrial Engineers Panamanian Association APII

Advisor to the First Board of Directors 2023-2025

Panamanian Association of Engineers and Architects SPIA

Chapter of Industrial Engineers · *Coordinator 2019-2021*

Industrial Engineering and Operations Management IEOM

Member No. 1437373

International Organization for Standardization ISO

- ISO/TC 176 Quality Management and Quality Assurance
- ISO/TC 207 Environmental Management
- ISO/TC 283 Occupational Health and Safety Management
- ISO/TC 262 Risk Management
- ISO/TC 301 Energy Management and Energy Savings
- ISO/TC 258 Project, Program and Portfolio Management
- ISO/TC 267 Facility Management
- ISO/TC 232 Education and Learning Services

PROFESSIONAL EXPERIENCE ENGINEERING PROJECT MANAGEMENT

ABB Panama Sales

Marine and Ports
11.2024 - current

Quality Assurance and Quality Control Specialist

Quality Assurance and Quality Control

- Follow-up and development of Project documentation
FAT tests to vendors and SAT tests to clients

AES for Mexico, Central America, and the Caribbean

ISO 55001:2014 Asset Management System Audit
10.2017 - 05.2018

Technical Training Coordinator

Human Resources Department

- Technical Skills Gaps Closure
Obtaining certification for 3 years in Panama and El Salvador

AES for Mexico, Central America, and the Caribbean

Construction of the Remote Operations Control Center and the Regional
Performance Analysis and Monitoring Center
07.2019 - 10.2020

Operational Performance Analyst

Performance and Asset Management Department

- Survey of Physical Security and General Services Data
Mexico, El Salvador, Panama, Puerto Rico, Dominican Republic
- Development of Terms of Reference for supplier selection
Monitoring of schedule and review of CapEx and OpEx budgets

Grupo Unidos por el Canal GUPC

Third Set of Locks Design and Construction Project
10.2011 - 06.2016

Field Inspector for Electromechanical Installation

Electromechanical Department

- Supervision of electromechanical testing and installation
hydraulic valves, rolling gates, low and medium voltage
- Quality control inspections in subcontractor workshops
Reception of materials and equipment in Panama and abroad

Electromechanical Quality Assurance Assistant

Quality Department

- Review of installation and inspection procedures
Compilation of quality dossiers for contractors
- Tracking of non-conformities, corrective actions
Factory acceptance tests and site acceptance tests

Sony Interamerican

Chile and Bolivia
08.2018 - 03.2019

Product Compliance Manager

- Assurance in electrical safety and energy efficiency

Igneo Ingeniería Sostenible

Naturgy Panama Contractor
12.2022 - 05.2023

Quality Projects Assistant

- Support and control in administrative and financial coordination
High voltage and medium voltage electrical projects

PROFESSIONAL CONSULTANCIES PUBLIC, PRIVATE, NGO, AND NPO

International Labor Organization

Transformation and Improvement Plan
National Institute of Professional Training and Human Development
11.2023 - 06.2024

Facilitator of the Sectoral Skills Council

- Quality and Relevance of the Academic Offer
Update of labor competency standards
- Training of Instructors/Evaluators
Needs assessment for closing gaps

United Nations Development Programme

Project Implementation of the Specialized Higher Technical Institute
04.2022 - 08.2022

Educational Management Specialist Consultant

- Academic management of the programs for the schools

United Nations Development Programme

Bicentennial Pact: Closing Gaps
07.2021 - 10.2021

Facilitator for Dialogue Processes

- Rapporteur of the National Infrastructure Thematic Table

Social Development Panamanian Chamber CAPADESO

Strengthening NPOs through Education
11.2024 - current

Consultant

- Implementation of the CAPADESO Academy

Social Development Panamanian Chamber CAPADESO

Governance, Operational Management, and Transparency
07.2024 - 09.2024

Consultant

- Evaluation of organizations for CAPADESO seal

Judicial Branch of the Republic of Panama OJ

Information Technology Department: User Support Center (CAU)
11.2024 - current

Consultant

- Implementation of ISO Standards Management Systems
ISO 9001:2015 QMS ISO 20000:2018 QMITS

Saint Christopher Episcopal Institute IESC

Mathematics Department
02.2024 - current

Educational Consultant

- Development of the curriculum design for the mathematics
programs in Basic, Pre-Media, and Media Education

Open Blue Sea Farms

Corporate Responsibility Department
06.2018 - 08.2018

Consultant

- Implementation of the ISO 9001:2015 management system

Technological University of Panama

07.2012 - current

Faculty of Industrial Engineering
Special Professor with Stability

- Operations Research I
- Operations Research II
- Operations Research
- Introduction to Operations Research
- Quantitative Methods Applied to Administration
- Production Management
- Introduction to Operations Management
- Industrial Design
- Manufacturing Processes
- Planning
- Planning and Control Techniques I
- Planning and Control Techniques II
- Planning and Operations Management

- Statistics and Probabilities
- Customer Service and Quality (*taught in English*)
- Economics

- Supervision and Business Leadership
- Supervision and Human Relations
- Managerial Decision-Making (*taught in English*)
- Entrepreneurship Training
- Business Administration

- Elements of Economic Engineering
- Finance and Banking (*taught in English*)
- Basic Accounting (*taught in English*)
- Cost Control

- Project Management (*outreach*)
- Statistics for Projects (*postgraduate*)
- Probability and Advanced Regression Analysis (*master*)
- Statistics for Data Analysis (*master*)
- Project Management Applied to Data Science (*master*)
- Pre-Calculus and Basic Mathematics (*university admission*)

Creator and Leader of the Research Group

- *Multidisciplinary Engineering Projects Management (GPMI)*

Member of the Research Group

- *Logistics and Supply Chain (LOYCS)*

Support in Interinstitutional Frame Agreements Management

- *Project Management Institute (PMI)*

- *Industrial Engineers Panamanian Association (APII)*

Faculty Board

- *Faculty Deputy Representative 2023-2025*

University General Council

- *Student Deputy Representative 2008-2011*

University of Panama

04.2017 - current

- Management Information Systems (*postgraduate*)
- Industrial Simulation II

Santa María La Antigua University

04.2021 - 08.2022

- Agile Methodologies (Scrum)
- Project Management Tools
- Introduction to ISO 9001 International Standard
- Project Certification (MS Project)
- BPM in Business Processes
- Quantitative Methods
- Quality System Documentation
- Introduction to Project Management
- Internal Audit to Quality Management Systems
- Supply Chain and Logistics 4.0
- Physics
- Strategic Quality Management I (*postgraduate*)

Latin University of Panama

01.2013 - 08.2018

- IT Project Management
- Introduction to Industrial Engineering
- Electronic Commerce
- Electronic Commerce I
- English I
- English III
- English IV

Interamerican University of Panama

09.2016 - 12.2016

- Case Studies for Operations Management
- Production Management
- Fundamentals of Industrial Engineering
- Physics I
- Physics Laboratory I

Isthmus University

01.2018 - 04.2018

- Differential and Integral Calculus I
- Differential and Integral Calculus II
- Ordinary Differential Equations

Alta Dirección University

09.2022 - 12.2022

- Basic Mathematics

Quality Leadership University

09.2023 - 10.2023

- Microeconomics (*taught in English*)

Saint Christopher Episcopal Institute

09.2007 - 12.2011

- Mathematics Department
Mathematics 7th grade · Geometry 8th grade · Algebra 8th grade
Coach of the Panamanian Math Olympiad Delegation 2005-2011
- Music Department
Teaching support to the Music Band
- Folklore Department
Teaching support to the Folkloric Group
- Guidance Department
Support Guide for the Social Service Program Camps

EDUCATIONAL MANAGEMENT ADMINISTRATION, ACCREDITATION, AND OUTREACH

Central American Agency for Accreditation of Architecture and Engineering Programs ACAAI

Central America
04.2015 - current

Peer Evaluator

- Accreditation of Civil Engineering program
Universidad Tecnológica Centroamericana, Honduras, Oct 2024
- Accreditation of Mechatronics Engineering program
Universidad Tecnológica Centroamericana, Honduras, Feb 2024
- Accreditation of Mechatronics Engineering program
Universidad Tecnológica Centroamericana, Honduras, Dec 2015

Specialized Higher Technical Institute ITSE

Curriculum Office · General Secretariat
05.2022 - 12.2022

Director of the School of Industrial Technology

- Departments: Construction, Industries, Aerospaciales

Director of the School of Business

- Departments: Finance, Logistics, Languages

Director of the School of Hospitality and Tourism

- Departments: Hospitality, Tourism

Coordinator of the Process Systematization Program

- Design and formulation of academic and administrative

Santa María La Antigua Catholic University USMA

Faculty of Engineering and Technology
04.2021 - 04.2022

Director of the School of Electronics Engineering

- Management of the BSc in Electronics Engineering

Director of the School of Computer Science

- Management of the BSc in Telematic Systems Engineering

Director of the School of Industrial Engineering

- Management of the BSc in Industrial Engineering

Physics and Mathematics Coordinator

- Management of courses and laboratories: Physics and Math

Deputy Director of the School of Civil Engineering

- Management of the Bsc Civil Engineering replacing the main

Deputy Dean

- Academic management of the School of the Dean

Faculty Representative

- Panamanian Confederation of Mechanical, Electrical, Industrial and Related Engineers COPIMERA 2021 - 2022

Ministry of Education MEDUCA

Programme for International Student Assessment PISA
Organization for Economic Co-operation and Development OECD
03.2017 - 08.2017

Technical Coordinator

- Development and implementation of the PISA 2018 trial test

RESEARCH ACTIVITIES SCIENTIFIC AND BUSINESS MENTORING

National Secretariat of Science, Technology & Innovation

Directorate of Scientific and Technological Capacity Development
03.2024 - 10.2024

Scientific Mentor in the Young Scientist Program 2024

- Mapping of the bovine rabies vector in the province of Coclé.
- Utilization of PET plastic waste from Angel María Herrera High School for a solar drip irrigation system

Bridge for Billions

05.2023 - actual

Mentor in BI Puentes de Desarrollo Program, Guatemala

- Project: GerminagroGT.

Mentor in Incubation Program of the FCDS, Panama

- Project: PLISSS.

Project Management Institute PMI Panama Chapter

01.2020 - current

Mentor

- Volunteer in the Mentoring Program 2024-2025.

Commissioner

- Leader of the commission in the development of the draft law
That establishes and regulates the use of program and project management practices and standards to improve the efficiency of government programs and projects 2024

Volunteer

- Project Management Skills for Life 2021

Panamanian Association of Engineers and Architects SPIA

01.2016 - current

Autor

- Alonzo, A. (2021). Realities and challenges in the training of qualified professionals in engineering and architecture: Quality assurance and control of the educational process and the pursuit of continuous improvement in education. Journal: Ingeniería y Arquitectura: Sociedad Panameña de Ingenieros y Arquitectos, 317(1), 18-21.

Commissioner

- Participation in the development of the Law No. 180
That establishes ranking, job titles, promotions, and recognitions based on years of service, for engineering and architecture professionals in the service of the government

Saint Christopher Episcopal Institute IESC

09.2007 - 12.2011

Autor

- Alonzo, A. (2011). Mathematics: a new world to discover. Practical guide for seventh-grade students of Junior High School. Panamá: [s.n.], 156p, 27 cm. ISBN: 978-9962-05-017-9.

EXPERIENCE IN CULTURAL MANAGEMENT

Maschere Productions

Entertainment and Culture · Commercial Theatre

12.2014 - 12.2019

Owner · Executive Producer

- Ni La Muerte nos Separa. *Comedy. 20 performances.*
Teatro D’Raquel. September 3 to 15, 2019.
- Negociando Mi Reelección. *Comedy. 19 performances.*
Teatro ABA. February 6 to 17, 2019.
Sound Design · Costume Design
Honorable Mention as Best Supporting Actress
Honorable Mention as Best Supporting Actor
- La Buena, La Mala y La Fea. *Comedy. 17 performances.*
Teatro ABA. February 16 to 25, 2018.
Nominated as Best Comedy
Nominated as Best Direction
Honorable Mention as Best Original Play
Honorable Mention as Best Supporting Actor
Honorable Mention as Best Leading Actress
- Buscando La Maravilla. *Infantil. 18 performances.*
Teatro El Ángel. August 6 to September 10, 2017.
- Los Ladrones También somos Honestos.
Comedy. 30 performances.
Teatro El Ángel. August 15 to September 3, 2017.
- Cama para Tres. *Comedy. 20 performances.*
Teatro El Ángel. August 1 to 13, 2017.
- El Que Quiera Conocer Panamá, que Venga que se Acaba
Drama. 20 performances.
Teatro El Ángel. May 16 to 28, 2017.
Nominated as Best Drama
Nominated as Best Original Play
- Parejas antes de ir a la Cama. *Comedy. 20 performances.*
Teatro Inida. May 2 to 14, 2017.
- Monstruos en el Armario. *Infantil. 18 performances.*
Teatro El Ángel. October 2 to November 27, 2016.
Nominated as Actor of the Year
- Sea Infiel, Pero Sepa con Quien. *Comedy. 39 performances.*
Teatro El Ángel. August 10 to September 4, 2016.
Sound Design · Sales
- Para Mentiras, Mi Mujer. *Comedy. 19 performances.*
Teatro ABA. May 18 to 29, 2016.
Public Relations
- ¿Tequila o Ron? *Drama. 10 performances.*
Teatro La Quadra. November 18 to 26, 2015.
Sales · Public Relations · Broadcasting
- Cada Loco con su Tema. *Comedy. 30 performances.*
Teatro La Quadra. April 14 to May 9, 2015.
Props · Acting

REVIEW OF ACADEMIC PAPERS

- **XLI Convention of Students from Central America and Panama CONESCAPAN 2024.** Best Paper Award Evaluator. Reviewer of Academic Papers. **Institute of Electrical and Electronic Engineers IEEE.** Central America, July 2024.
- **XLI Convention of Students from Central America and Panama CONESCAPAN 2024.** Technical Member Committee. Reviewer of Academic Papers. **Institute of Electrical and Electronic Engineers IEEE.** Central America, July 2024.
- **I International Conference on Science, Technology, and Innovation CONICIETI.** Technical Program Committee. Reviewer of Academic Papers. **Central American Technological University UNITEC.** Tegucigalpa, Honduras, May 2024.
- **Scientific Initiation Day JIC.** Evaluator of Research Projects. Selection. **Technological University of Panama UTP.** Panama, Panama, from July 2024.
- **Scientific Initiation Day JIC.** Evaluator of Research Projects. Pre-selection of Academic Units. College of Industrial Engineering. **Technological University of Panama UTP.** Panama, Panama, July 2020, 2021, 2022, 2023, and 2024.
- **Scientific Initiation Day JIC.** Evaluator of Research Projects. Pre-selection of Academic Units. College of Science and Technology. **Technological University of Panama UTP.** Panama, Panama, July 2023.
- **Scientific Initiation Day JIC.** Evaluator of Research Projects. Pre-selection of Academic Units. Panama Oeste Regional Center. **Technological University of Panama UTP.** Panama Oeste, Panama, July 2022.

CONSULTING OF RESEARCH PROJECTS

- **Improvement of the Efficiency of Maritime and Logistic Transport Services in the Company MACS Marine Transport Panamá, S.A.** Bachelor of Science in Logistics and Multimodal Transport. Marcos Caballero. (2024). *In progress.* **Technological University of Panama UTP.**
- **Process Analysis and Operational Improvements for Control in the Multimarket Warehouse of GSK.** Bachelor of Science in Maritime and Ports Operations. Joan Cisneros. (2024). *In progress.* **Technological University of Panama UTP.**
- **Control and Improvement of Operational Processes in the Company BusPort, S.A.** Bachelor of Science in Logistics and Multimodal Transport. Yeilys Pérez. (2024). *In progress.* **Technological University of Panama UTP.**
- **Development of a Proposal for the Application of an Agile Project Management Methodology for the Trade Marketing Department of Nestlé Centroamérica, S.A.** Bachelor of Science in Marketing and International Trade. Eduardo Páez. (2022). *Finished.* **Technological University of Panama UTP.**
- **Development and Implementation of a Manual for Cargo Handling in the Operations Department of the Company Transportes y Servicios Salom, S.A.** Bachelor of Science in Logistics and Multimodal Transport. Jewell Murray. (2021). *Finished.* **Technological University of Panama UTP.**
- **Creation of a Procedures Manual for the Warehouse Department of Calox Panameña, S.A.** Bachelor of Science in Logistics and Multimodal Transport. Milagros Abad. (2020). *Finished.* **Technological University of Panama UTP.**
- **Implementation of the Network Site Database of Telefónica Móviles Panamá, S.A.** Bachelor of Science in Industrial Engineering. Isaac Maestre. (2014). *Finished.* **Technological University of Panama UTP.**
- **Design of the Operational Procedures Manual for the Operations Groups of the Technical Operations Center of Telefónica Móviles Panamá, S.A.** Bachelor of Science in Industrial Engineering. Luis Herrera. (2014). *Finished.* **Technological University of Panama UTP.**

POSTGRADUATE RESEARCH PROJECTS

- Alonzo, A. (2020). **Generational turnover in teaching: Technological University of Panama.** Technological University of Panama, Master of Education in College Teaching with Specialization in Educational Technology and Didactics. Unpublished.
- Alonzo, A. (2015). **Feasibility study for the opening of a theater hall in Panama City.** Latin University of Panama á, Master of Business Administration with Emphasis on Enterprise Management. Unpublished.

LECTURES AT NATIONAL AND INTERNATIONAL CONFERENCES

- **Sustainable Supply Chains: The Challenge of the Decade.** Operations and Logistics Congress 2024: Challenges and Perspectives of Local Logistics Future. Faculty of Business Administration and Accounting FAECO. *Speaker. University of Panama UP. Panama City, Panama, October 16th, 2024.*
- **Impact of Human Capital Training in Project Management on the Economic, Social, and Environmental Sustainability of Public-Private Investment Projects in Panama.** I Doctoral Colloquium 2024. *Speaker. Central American Institute of Public Administration ICAP. San José, Costa Rica, August 26th, 2024.*
- **Innovations and Challenges in Logistics for Sustainable Development in the Region.** Faculty of Administrative and Social Sciences Week 2024. *Speaker. Central American Technological University of Honduras UNITEC. Tegucigalpa, Honduras, August 22nd, 2024.*
- **Engineering 360: Transcending Frontiers in Innovation, Multidisciplinary, and Sustainability in Project Management.** I International Conference on Science, Technology, and Innovation CONICIETI 2024. *Keynote Speaker. Inaugural Conference. Central American Technological University of Honduras UNITEC. Tegucigalpa, Honduras, May 29th and 30th, 2024.*
- **Challenges and Opportunities in Logistics in Panama.** Logistics Week 2023. *Speaker. Closure. Metropolitan University of Education, Science, and Technology UMECIT. Panama City, Panama, October 21st, 2023.*
- **Sustainability and Competitiveness: The Transformation of Panama's Supply Chain through Green Logistics.** Logistics Week 2023. *Speaker. Inaugural Conference. Metropolitan University of Education, Science, and Technology UMECIT. Panama City, Panama, October 16th, 2023.*
- **The Multidisciplinary Engineer: Key to the Successful Development of Projects.** Engineering Week 2023. *Speaker. Conference. Interamerican University of Panama UIP. Panama City, Panama, July 12th, 2023.*
- **Transition from OSHA Standards to ISO.** II International Congress on Quality Management and ISO Standards 2022. *Keynote Speaker. Inaugural Conference. Panamanian Association of Industrial Engineers and Related Careers APII. Panama City, Panama, July 25th, 2022.*
- **Keynote Speech at Graduation Ceremony.** XLVII High School Graduation Ceremony. *Keynote Speaker. Saint Christopher Episcopal Institute IESC. Panama City, Panama, December 21st, 2021.*
- **Introduction to ISO 9001:2015 Standard.** I International Congress on Quality Management and ISO Standards 2021. *Keynote Speaker. Inaugural Conference. Panamanian Association of Industrial Engineers and Related Careers APII. Panama City, Panama, June 21st, 2021.*

ORGANIZATION OF NATIONAL AND INTERNATIONAL CONFERENCES

- **XLI Central American and Panamanian Student Convention CONESCAPAN.** *Technical Committee. Institute of Electrical and Electronic Engineers IEEE. Panama City, Panama, September 24th to 28th, 2024.*
- **Technology and Engineering Management Society Conference TEMSCON.** Technology and Engineering Management Society TEMS Panama Chapter. *Interim Congress President / Volunteer Committee. Institute of Electrical and Electronic Engineers IEEE. Panama City, Panama, July 18th and 19th, 2024.*
- **I International Conference of Science, Technology, and Innovation CONICIETI 2024.** *Technical Program Committee. Central American Technological University of Honduras UNITEC. Tegucigalpa, Honduras, May 29th and 30th, 2024.*
- **Virtual Pre-Congress: Engineering for Economic Reactivation.** College of Electrical, Mechanical, and Industrial Engineers CIEMI. *General Coordinator. Panamanian Society of Engineers and Architects SPIA. Panama City, Panama, October 15th and 16th, 2020.*
- **XIV Civil Engineering Congress.** College of Civil Engineers COICI. *Volunteer at Business Roundtable. Panamanian Society of Engineers and Architects SPIA. Panama City, Panama, August 28th to 31st, 2019.*
- **XIII Congress of the Faculty of Industrial Engineering.** Faculty of Industrial Engineering. *Member of the Academic Committee. Technological University of Panama UTP. Panama City, Panama, October 15-19, 2007.*

COURSES AND SEMINARS DELIVERED

- **Customs Management. Seminar.** Student Mobility Program: Colombia. **Metropolitan University of Education, Science and Technology (UMECIT).** *Panama City, Panama, October 10th, 2024.* Length: 8 hours.
- **Introduction to Internationalization. Seminar.** Student Mobility Program: Colombia. **Metropolitan University of Education, Science and Technology (UMECIT).** *Panama City, Panama, October 8th, 2024.* Length: 8 hours.
- **Didactic Resources for Learning Mathematics. Seminar.** Saint Christopher Episcopal Institute IESC. *Panama City, Panama, June 10th, 2024.* Length: 4 hours.
- **Mathematical Literacy and International Standardized Tests. Seminar.** Saint Christopher Episcopal Institute IESC. *Panama City, Panama, March 1st, 2024.* Length: 2 hours.
- **Diagnosis of Opportunities and Selection of International Markets.** International Seminar on Global Markets and Organizational Internationalization. Student Mobility Program: Colombia. **Seminar. Metropolitan University of Education, Science, and Technology UMECIT.** *Panama, November 21st, 2023.* Length: 8 hours.
- **Project Workshop.** Latin American Civic Action Laboratory. **Panelist. Session. Youth United for Education.** *Panama City, Panama, August 10th, 2022.* Length: 2 hours.
- **Interpretation and Internal Auditor Training in Integrated Management Systems. Instructor. Seminar.** GST Panama. *Panama City, Panama, March 21st to 24th, 2022.* Length: 32 hours.
- **Agile Methodologies & Tools for Replicability and Impact.** Latin American Civic Action Laboratory. **Panelist. Session. Youth United for Education.** *Panama City, Panama, September 26th, 2021.* Length: 2 hours.
- **Advanced Excel. Instructor. Course.** Panamanian Association of Industrial Engineers and Related Careers APII. *Panama City, Panama, July 2021.* Length: 12 hours.
- **Intermediate Excel. Instructor. Course.** Panamanian Association of Industrial Engineers and Related Careers APII. *Panama City, Panama, June 2021.* Length: 10 hours.
- **Interpretation and Internal Auditor Training in Integrated Management Systems: ISO 9001:2015 ISO 14001:2015 ISO 45001:2018 with Emphasis on Risk Management ISO 31000:2018. Instructor. Seminar.** Panamanian Society of Engineers and Architects SPIA. *Panama City, Panama, June 5th, 12th, 19th, and 26th, 2021.* Length: 32 hours.
- **Interpretation and Internal Auditor Training in Integrated Management Systems: ISO 9001:2015 ISO 14001:2015 ISO 45001:2018 with Emphasis on Risk Management ISO 31000:2018. Instructor. Seminar.** Panamanian Society of Engineers and Architects SPIA. *Panama City, Panama, November 7th, 14th, 21st, and 28th, 2020.* Length: 32 hours.
- **Agile Methodologies and Tools for Replicability and Impact.** Latin American Civic Action Laboratory. **Panelist. Session. Youth United for Education.** *Panama City, Panama, September 23rd, 2020.* Length: 2 hours.
- **Process Systematization.** Latin American Civic Action Laboratory. **Panelist. Session. Youth United for Education.** *Panama City, Panama, September 9th, 2020.* Length: 2 hours.
- **Interpretation and Internal Auditor Training in Integrated Management Systems: ISO 9001:2015 ISO 14001:2015 ISO 45001:2018 with Emphasis on Risk Management ISO 31000:2018. Instructor. Seminar.** Panamanian Society of Engineers and Architects SPIA. *Panama City, Panama, June 6th, 13rd, 20th, and 27th, 2020.* Length: 32 hours.
- **Quality, Safety, Health, and Environment: A Global Approach.** National Committee COPIMERA. **Speaker. Webinar.** Panamanian Society of Engineers and Architects SPIA. *Panama City, Panama, May 23rd, 2020.* Length: 2 hours.
- **Agile Project Management Methodologies: The Need for Dynamism.** CIEMI Meetings. **Speaker. Webinar.** Panamanian Society of Engineers and Architects SPIA. *Panama City, Panama, May 21st, 2020.* Length: 2 hours.
- **Interpretation and Internal Auditor Training in Integrated Management Systems. Instructor. Seminar.** GST Panama. *Panama City, Panama, March 7th, 14th, 21st, and 28th, 2020.* Length: 32 hours.
- **Risk Management: ISO 31000:2018. Instructor. Seminar.** SGS Panama Control Services, Inc. *Panama City, Panama, June 20th and 21st, 2019.* Length: 16 hours.
- **Interpretation and Internal Auditor Training in Integrated Management Systems. Instructor. Seminar.** SGS Panama Control Services, Inc. *Panama City, Panama, May 20th to 24th, 2019.* Length: 40 hours.
- **Risk Management: ISO 31000:2018. Instructor. Seminar.** SGS Panama Control Services, Inc. *Panama City, Panama, May 13th, and 14th, 2019.* Length: 16 hours.

PROFESSIONAL DEVELOPMENT

- **Classrooms Without Borders: Introduction to Teaching in the Digital Age.** *Course.* Technological University of Panama UTP. Panama City, Panama, October 2024, ongoing.
- **Publication of Research Results: Open Science, Ethics, and Artificial Intelligence.** *Course.* Educational Research Center CIEDU. Panama City, Panama, May 27th, 2024.
- **Analytical Methods for Decision Making.** *Seminar.* Technological University of Panama · Faculty of Industrial Engineering. Panama City, Panama, March 8th, 2024.
- **Integration of Operational and Support Management Focused on Quality, Environmental, and Safety Standards.** *Seminar.* Technological University of Panama · Faculty of Industrial Engineering. Panama City, Panama, March 8th, 2024.
- **III International Congress on Quality Management and ISO Standards: Sustainable Development in Panamanian Companies through International Standards.** *Congress.* Panamanian Association of Industrial Engineers and Related Careers APII. Panama, Panama, September 13-16, 2023.
- **Microsoft Teams: Creating and Monitoring Collaborative Classroom Spaces.** *Course.* Microsoft. Panama City, Panama, September 7th, 2023.
- **Creation of Classic Machine Learning Models with Supervised Learning.** *Course.* Microsoft. Panama City, Panama, September 5th, 2023.
- **Data Analysis Description.** *Course.* Microsoft. Panama City, Panama, September 5th, 2023.
- **Introduction to Machine Learning.** *Course.* Microsoft. Panama City, Panama, August 28th, 2023.
- **Microsoft Innovative Educator Program MIE Expert.** *Course.* Microsoft. Panama City, Panama, July 9th, 2023.
- **Hierarchical Linear Models for International Learning Assessments.** *Seminar.* Institute for Scientific Research and High Technology Services · Educational Research Center. Panama City, Panama, June 23rd, 2023.
- **First Aid.** *Course.* Engineering, Studies, and Projects NIP, S.A. Panama City, Panama, January 16th, 2023.
- **Occupational Risk Prevention.** *Course.* Engineering, Studies, and Projects NIP, S.A. Panama, Panama, January 13th, 2023.
- **Power BI from Basic to Advanced.** *Course.* Institute of Electrical and Electronic Engineers (Student Branch) · Technology and Engineering Management Society TEMS. Panama City, Panama, September 10th to October 3rd, 2022.
- **Dissemination of the Green Seal Manual on GIRD and ACC of ACAAI to Higher Education Institutions and Panamanian Organizations, Signatories of the ACAAI Constitution and Evaluators.** *Workshop.* Central American Accreditation Agency for Architecture and Engineering Programs. Panama City, Panama, September 28th, 2021.
- **II International Congress on Maintenance of the Panama Canal.** *Congress.* Panama Canal Authority ACP. Panama, Panama, August 27-29, 2014.
- **Summer Acting Course for Theater.** *Course.* ABA Theater. Panama City, Panama, March 2014.
- **Regular Acting Course for Theater.** *Course.* ABA Theater. Panama City, Panama, December 2013.
- **XVIII Congress of the Faculty of Industrial Engineering. Innovation, Quality, and Productivity as Strategies to Address the Challenges of Globalization and Competitiveness.** *Moderator: Fusion of Technological Advances and Creativity as Means of Change in Business Improvement.* Technological University of Panama UTP. Panama, October 9, 2012.
- **Design and Construction of the Third Set of Locks for the Panama Canal Expansion Program.** *Environmental Induction.* Grupo Unidos por el Canal GUPC. Panama City, Panama, October 24th to 25th, 2011.
- **Constructions with Ruler and Compass and Other Problem-Solving Techniques in Geometry.** *Seminar-Workshop.* Ministry of Education MEDUCA. Panama City, Panama, February 22nd to 26th, 2010.
- **Methodological Techniques for Teaching Algebra.** *Seminar.* Ministry of Education MEDUCA. Panama City, Panama, January 25th to 29th, 2010.
- **Cultural Diversity in the Current Process of Globalization.** *Conference.* United Nations Organization (UN) · United Nations Information Center in Panama. Panama City, Panama, April 18th, 2002.
- **MYOB Accounting Plus v.10 Training Session.** *Seminar-Workshop.* Ministry of Education MEDUCA. Panama City, Panama, July 22nd to December 4th, 2002.

PROFESSIONAL SPEECHES

- **III International Congress on Quality Management and ISO Standards. Inaugural Ceremony.** Panamanian Association of Industrial Engineers and Related Careers (APII) · Panama, September 13, 2023.
- **104th Anniversary Ceremony.** Panamanian Society of Engineers and Architects (SPIA) · Panama, September 15, 2023.
- **XV International Civil Engineering Congress 2022. Opening and Closing Ceremony. College of Civil Engineers.** Panamanian Society of Engineers and Architects (SPIA) · Panama, August 24 and 26, 2022.
- **Inauguration of the 2020-2021 Board of Directors.** Panamanian Society of Engineers and Architects (SPIA) · Panama, January 25, 2020.
- **High School Graduation.** Instituto Episcopal San Cristóbal (IESC) · Panama, December 2010.
- **High School Graduation.** Instituto Episcopal San Cristóbal (IESC) · Panama, December 2009.
- **High School Graduation.** Instituto Episcopal San Cristóbal (IESC) · Panama, December 2008.
- **Graduation of the Youth Leadership Program.** Instituto Episcopal San Cristóbal (IESC) · Panama, October 2008.
- **XIII Congress of the Faculty of Industrial Engineering. Opening Ceremony.** Faculty of Industrial Engineering. Technological University of Panama (UTP) · Panama, October 15, 2007.

PROFESSIONAL REFERENCES

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