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DIÓGENES ÁLVAREZ SOLÓRZANO

MBA_ Industrial Production Engineer

Industrial Production Engineer, consultant, university lecturer, and leader in academic and professional projects in Industrial Engineering, with more than 30 years of experience combining teaching, consulting, industry, and professional representation. She has served as Director of Engineering, Director of Academic Quality, and as a national and international consultant on industrial and financial processes, energy management, and sustainability. She was President of the College of Technologists and Related Engineers (CITEC) and a member of the Board of Directors of the Federated College of Engineers and Architects of Costa Rica (CFIA), as well as Vice President of the Institute of Industrial and Systems Engineers (IISE) for Central America during 2010–2013 and 2016–2019. She currently serves as a university lecturer and develops research and consulting projects with an emphasis on Industrial Engineering and artificial intelligence. Recognized for her leadership in professional accreditation, institutional strengthening, academic innovation, and the development of professional organizations.

ACADEMIC BACKGROUND

- **[2024–2025]** Training in Artificial Intelligence Applied to Teaching and Industrial Processes — IBM SkillsBuild and Fiji Academy / IFCR.
- **[2022]** Professional Certification in English – Level B1 (Oxford–CONARE).
- **[2012–2016]** Diploma in Education and Higher Education Certification (Pedagogy and Andragogy) — Universidad Panamericana de Identidad Docente e Innovación Académica – ITCR and Laureate.
- **[2016–2020]** Certifications in Lean Six Sigma — IISE and CFIA/CITEC: Yellow Belt, Green Belt, and Black Belt.
- **[2013]** Certificate in Teaching and Learning in Higher Education, Laureate International Universities.
- **[2002–2002]** Master's Degree in Business Administration, with an emphasis in International Trade — Costa Rica Graduate School of Business.
- **[1993–1994]** Project Management Program — Universidad de Costa Rica.
- **[1988–1991]** Industrial Production Engineering — Instituto Tecnológico de Costa Rica.

PROFESSIONAL DEVELOPMENT

- Lean Six Sigma: Certified Yellow, Green, and Black Belt — IISE and CFIA/CITEC.
- Training in University Pedagogy: instructional planning, competency-based assessment, and andragogy — ITCR and Laureate.
- Artificial Intelligence Applied to Industrial Processes: IBM SkillsBuild and Fiji Academy — IFCR.
- Continuing professional development in Minitab, SAP, FlexSim, Excel Advanced, VSM, and TPM technologies.
- **[2009–2014]** Lecturer at international conferences of the Institute of Industrial and Systems Engineers (IISE), invited by universities in Central America and Mexico, addressing topics related to innovation, Industry 4.0, and engineering education.

PROFESSIONAL EXPERIENCE

- **[2010–2014]** Dean of Engineering and Architecture, Universidad Latina.
- **[2010–2013]** Director of Academic Quality, Laureate International Universities.
- **[2003–2005]** General Manager, Grupo Educativo Jiménez.
- **[2010–2014]** International consultant and strategist — CESEL, ICE, GIZ, KfW-BCIE, ECA, Inoliva; design of Sustainable Energy Management Networks (GIZ–PRODELO).
- Professional representation: President of CITEC, member of the CFIA Board of Directors, and evaluator for IEA.

TEACHING EXPERIENCE

- **[2015–Present]** Undergraduate and graduate professor in Industrial Production Engineering and related technologies.
- Professor in FUNDATEC programs, including *Technological Methodologies and Artificial Intelligence Applied to Industry*.
- Professor in undergraduate programs at UNA and Universidad Latina, teaching Project Management, Industrial Engineering, and Quality Control.
- **[2008–2010]** Professor at UNED, teaching courses in Projects, Operations, and Industrial Management.
- Experience as TFG (Final Graduation Project) coordinator and promoter of innovation in teaching and academic practice.