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Chihuahua, Chih; Mex.

CURRICULUM VITAE

About me

I am a professional in the area of industrial engineering, manufacturing, and project management. I like order and structure as elements to achieve quality in what one does. I consider "projects" to be that possibility of creating new things in the industry, family and myself. Teamwork, and the ability to learn on your own, are the most important skills that we currently require, because the knowledge is so varied that we need to work alongside people with different skills, and constantly acquire new knowledge to achieve goals and targets.

Education

PhD in Industrial and Systems Engineering, (2011)

Florida International University, Miami, FL.

Dissertation: "A Quantitative Approach to the Organizational Design Problem"

Master of Science in Manufacturing Systems, [1990]

Instituto Tecnológico y de Estudios Superiores de Monterrey, ITESM Campus Monterrey, Monterrey, N.L.

Bachelor of Science in Industrial Engineering in Electronics, [1988]

Instituto Tecnológico de Chihuahua, Chihuahua, Mexico.

Professional Experience

- Metanoia Consulting & Training. **Senior Consultant**. Chihuahua, Chih, (Ene. 2016-Present)

We are a group of professionals with different specialties, who support companies, civil society organizations and government entities; in consulting and training programs with the aim of improving their competitiveness.

Our projects include some of the following topics:

- Strategic Planning
- Business diagnosis
- Project management
- Lean Manufacturing Tools
- Six Sigma Tools
- Others

Some of the companies where projects have been developed with Metanoia C&T and the Chihuahua Competitiveness Center (Consulting in; **Company** (place); Type of Industry; Date.):

1. Strategic Planning (Organizational Development); **Viajes Linusa** (Chihuahua); Travel Agency; Abr 2018.
2. Strategic Planning (Business Diagnosis); **REDASA** (Chihuahua, Chih); Construction; Dic 2017.

3. Strategic Planning (Business Diagnosis); **MOLDES Y DETALLES** (Chihuahua, Chih); Commerce; Dic 2017.
4. Strategic Planning (Business Diagnosis); **GLOBALCOM** (Chihuahua, Chih); Telecommunications; Ago 2017.
5. Strategic Planning (Business Diagnosis); **Arte Gráfico** (Chihuahua, Chih); Printing and Design; Ago 2017.
6. Strategic Planning (Project Management); **IM Tecnología** (Chihuahua, Chih); Manufacturing; Ago 2017.
7. Strategic Planning (Business Diagnosis); **Mi Encanto Café** (Cuauhtémoc, Chih); Dining; Mar 2017.
8. Strategic Planning (Business Diagnosis); **ESC Representaciones** (Chihuahua, Chih); Commerce; Ago 2017.
9. Strategic Planning (Business Diagnosis); **SEHASA, S.A de C.V.** (Cuauhtémoc, Chih); Manufacturing; METANOIA/CCC; Mar 2017.
10. Strategic Planning (Organizational Development); **FISA** (Parral, Chih); Manufacturing; Jun 2016.

Seminars and courses taught [Course; Company (place); Date (s).]

1. **Project Management**; INDEX (Chihuahua); Jun 2020/Ene 2019/Ene 2018/Ene 2017/Mar 2017.
2. **Project Management**; Honeywell Aerospace/INDEX (Chihuahua), May 2019.
3. **Project Management**; LUTRON (Chihuahua); Ago 2018/ Abr 2018.
4. **Total Productive Maintenance (TPM)**; Elektrisola (Cuauhtémoc, Chih); May 2018
5. **Project Management & Lean Office**; INDEX Chihuahua; Oct 2018.
6. **Project Management**; Universidad Syscom (Chihuahua); Ago 2017.
7. **Lean-Six Sigma**; LEVITON (Camargo, Chih); Feb 2018.
8. **Lean-Six Sigma**; INDEX (Chihuahua); Ago 2018/ Jun 2017.
9. **Process Control Theory (Six Sigma)**; Jabil Chihuahua (IPN); Ago 2018/ Jun 2018/ May 2018/ Mar 2018/ Sep 2017.
10. **Failure Mode and Effect Analysis (FMEA)**; Jabil Chihuahua (IPN); Ago 2018/ Abr 2018.
11. **Measurement Systems Analysis (MSA)**; Jabil Chihuahua (IPN); Jul 2018/ Jun 2018/ May 2018/ Abr 2018.
12. **Problem Solving Techniques**; Jabil Chihuahua (IPN); Jul 2018/ May 2018/ Feb 2018.
13. **GD&T Norma ASMEY14.5**; INDEX (Chihuahua); Feb 2018.
14. **GD&T Norma ASMEY14.5**; Superior Industries de México (Chihuahua Planta 7); Ago 2017.
15. **Lean Manufacturing Tools**; TELEFLEX (Chihuahua); May 2016.
16. **Project Management**; RIPIPSA, S.A. de C.V. (Chihuahua); Abr 2016.

- National Polytechnic Institute (IPN) - Cluster Chihuahua. Head of the Social Integration Department (UPIS). Chihuahua, Chih, (Dic. 2018- Mar. 2020)

The National Polytechnic Institute (IPN) is one of the main public schools of engineering education in the country. The Chihuahua Cluster was an Industrial Consulting & Training Center.

Main activities:

- Link with the productive, government ,and social sectors.
- Design, management, and administration of the Customer Relationships Management (CRM).
- Project Management of institutional projects.
- Seminars and courses taught:
 - **Project Management**; IPN-Chihuahua; Feb 2019.
 - **Design of Procedures for the Processes and Subprocesses of the Academic Units**; IPN-Chihuahua; May 2019.
- Mapping of industrial processes[Company (place); Type of Industry; Date.]:
 - **Repinel Electric Solutions and Automation Systems** (Cd. Juárez, Chih); Control & Automation; Feb 2020.
 - **AIDMASTER ENGINEERING DE MEXICO S.A. DE C.V.** (Cd. Juárez, Chih); Automation & Intelligent; IPN- Chih; Feb 2020.
 - **DYA DESARROLLO INDUSTRIAL S. DE R.L. DE C.V.** (Chihuahua, Chih); Design & Industrial Manufacturing; Feb 2020.
 - **MEXSA** (Chihuahua, Chih); Industrial Design & Manufacturing; Ene 2020.

- Monterrey Institute of Technology and Higher Education (ITESM) - Campus Chihuahua. Full Time Professor. Chihuahua, Chih, (Ene. 1991- Jul. 2015)

The ITESM is one of the main private schools of engineering education in the country.

Main activities:

- Coordinator of the Integrated Manufacturing Center (1992 - 1998)
- Coordinator of the Redesign Support Center (1999-2001)
- Faculty Advisor of Chapter # 721, Institute of Industrial Engineers (IIE) (2011-2015)
- Industrial Consultant & Trainer, Department of Extension and Continuing Education (2000-2015).
- Department Director: Industrial and Mechanical Engineering (2003-2005)
- Advisor for the program "Redesign of Teaching Practice", Rectoría Zona Norte (2001-2002)

Certifications

GDTP-1994 Technologist Certification (ASME Y14.5.2)

Standard for the Certification of Geometry Dimensioning and Tolerancing Professionals

Expiration Date: September 23, 2021

Certification Number: GDTP T-5190

Certificate of labor competence in the Standard of Competence:

Teaching of human capital: Training & Design Courses (ECO217 & ECO301)

CONOCER Number D-0004024719

Valid May 15, 2022

Certified as a Facilitator of the Didactic Technique:

Problem-based learning (PBL)

ITESM Campus Monterrey (Jan. 2002)

Training

Technical:

- *"PCT Theory of Process Control"* (Instructor Development); IPN- Chihuahua; Apr 2019.
- *"Tools for Analysis and Problem Solving"* (Instructor Development); IPN-Chihuahua; Mar 2019.
- *"MSA Analysis of the Measurement System"* (Instructor Development); IPN-Chihuahua; Mar 2019.
- *"FMEA Failure Mode and Effect Analysis"* (Instructor Development); IPN-Chihuahua; Feb 2019.
- *"NX9 Surface & Turning"*; Goaltech; Chihuahua, Chih; Jun 2014. "Innovation & Project Management"; ITESM Campus Monterrey; Dec 2014.
- *"Neumatic and Electroneumatic Process Drive & Control"*, Training Center RIPIPSA Chihuahua; Nov 2014.
- *"Mechatronics Level 1- DC MEC 1"*; Training Center RIPIPSA Chihuahua; Jul 2012.
- *"Quick Response Manufacturing (QRM)"*; ITESM Campus Chihuahua; Mar 2012.
- *"Mechatronics workstations"*; Training Center RIPIPSA Chihuahua; Jul 2012.
- *"Product Design"*; ITESM Campus Guadalajara; Jun 2011.
- *"Structural and Thermal Simulation with Pro / ENGINEER Sheetmetal Design using Pro / Engineer Wildfire 3.0"*; ITESM Campus Cd. Juárez

General:

- *"Zero tolerance for sexual harassment! Learn about the Protocol for APF "*; INMUJERES, Platform MéxicoX; Sep 2019."
- *"Linking solutions for knowledge transfer to public, private and social sectors "*; IPN-Chihuahua; Sep 2019." Transforming polytechnic education towards a 4.0 education "; IPN-Chihuahua; Jul 2019.
- *"Inter-institutional Forum Education 4.0"*; IPN-Chihuahua; Jun 2019.
- "Ethics and Policy"; Western Michigan University; Jun 2013.
- "Start Up"; ITESM Campus San Luis Potosí; Oct 2012.

- *"University Faculty Development"*; Oklahoma State University; Jun 2012.
- *"How to publish research papers"*; ITESM Campus Chihuahua; Jun 2011.
- *"CIC Instructor Training"*; Motorola University; Jun 2000.

Conferences

- *"Pick-up Assembly Line Game"*, 1st International Congress on Educational Innovation; ITESM Campus Cd de México; Dec 2014.
- *"Involving Industry Partners to develop Manufacturing Engineering Programs"*, 1st International Congress of Educational Innovation; ITESM Campus Cd de México; Dec 2014.
- *"Valuation of coefficients affecting modeling factors in the optimal organization structure design problem in make-to-order operations"*, 5th International Congress of Multidisciplinary Scientific Research; Decision Sciences Institute; ICM 2013.
- *"Expert System to support learning in the use of machine tools for Integrated Manufacturing Systems"*, 8th Congress of Innovation and Educational Technology; Dec 2013.
- *"The challenge of Critical Thinking in the Educational Model of the XXI Century"*; Technological Delights [27th anniversary]; Sep 2013.
- *"Discussion forums for reading reflection"*; VII Congress of Research, Innovation and Administration of Education (CIIGE); ITESM Campus Monterrey [May 2013].
- *"A Quantitative Model for Optimal Organizational Structure Design"*; 42nd Research and Development Congress; Monterrey, NL; Jan 2012.
- *"Science Fiction: The world that awaits us?"*; X Congress of Ethical and Citizen Training; ITESM Campus Chihuahua; Sept 2012.
- *"Conversation, through reading and writing, as a teaching-learning strategy"*; 7th Congress of Innovation and Technology in Education; ITESM Campus Monterrey; Dec 2012.
- *"A Quantitative Model for Optimal Organizational Structure Design"*; 61st ANNUAL CONFERENCE AND EXPO INTERNATIONAL ENGINEERING RE SEARCH CONFERENCE; INSTITUTE OF INDUSTRIAL ENGINEERING; Reno, Nevada, USA; May 2011

Publications

- Alonso Mena; *"Hace tiempo que no sé de ti" (Libro)*; Independently published Amazon.com; ISBN-10: 1688234659 [23 Ago 2019];
- Jesus A Mena; *"Valuation of coefficients affecting modeling factors in the optimal organization structure design problem in make-to-order operations"*; Eleventh LACCEI Latin American and Caribbean Conference for Engineering and Technology (LACCEI'2013): "Innovation in Engineering, Technology and Education for Competitiveness and Prosperity"; Cancún, Mex [Ago 2013].
- MENA, J., CHEN, C.; *"The optimal organization structure design problem in make-to-order enterprises"*; International Journal of Industrial Engineering: Theory, Applications and Practice; [Date accessed: 24 Jan. 2014].
- Jesus A Mena, Jaime Contreras, Martha Mao; *"Involving Industry partners to develop manufacturing engineering programs"*; IIE Annual Conference and Expo 2014; Conference Proceedings; Montreal, Canada [Jun 2014].
- Jesus A Mena; *"A Quantitative Model for Optimal Organization Structure Design"*; 61st Annual Conference and Expo IIE Annual Conference. Conference Proceedings. ; Orlando, Fl. [May 2011].
- Alonso Mena; *"CRÓNICAS DE NAUFRAGIOS" (Libro)*; Ed: SOLAR, Instituto Chihuahuense de la Cultura, ISBN: 970-774-021-3 [Jun 2006].

Awards

Consulting:

- Evaluator of the "Chihuahua Prize for Competitiveness"; Chihuahua Competitiveness Center (CCC); Chihuahua, Chih; Nov 2016

Academic:

- Selected in the NOVUS call (from the ITESM-RZN) for educational innovation research projects in the following projects:
 - "Pick-up Assembly Line Game: Active Learning of inventory models for Operations Management Class" (Jun 2014).
 - "Active Learning of Geometric and Dimensioning Tolerancing (GD&T) for Computer Aided Design Class" (Jun 2014).
 - "Expert system to support the Computer Integrated Manufacturing (CIM) Class" (Jun 2013).
- First place in the essay contest "Passion for reading" in the 5th and 6th edition (ITESM Campus Chihuahua) (May 2013, Apr 2012).
- Awards for Innovation and Educational Research in the years 2002, 1998 (ITESM Campus Chihuahua and Rectory of the Northern Zone).
- Educational Innovation Award: "Training of Administration-Engineering work teams to simulate a Computer Integrated Manufacturing operation environment"; ITESM Campus Monterrey; (Jan 1996).

Others:

- Scholar "David Alfaro Siqueiros" (New Creators category); National Council for Culture and the Arts-State of Chihuahua; (Apr 2010).
- Selected in the call for "Publications of ICHICULT 2005" for the edition and publication of the book "Crónicas de Naufragios" (May 2005).

Skills

Languages:

- Spanish (Mother Tongue)
- English (TOEFL 585)
- French (Basic)

Software/Tools:

- MsProject
- MsOffice
- AutoCAD/Inventor
- HTML[5]
- CSS[3]
- Bootstrap
- JavaScript (Basic)

- Nx/CATIA/Solid Works
- On-Line PM (Bitrix)
- Visual Code/Sublime Text
- Vizio/Bizagi (Process)
- GD&T ASMEY14.5
- CNC

Soft Skills:

- Teamwork
- Oral & Written Communication
- Teaching Courses
- Emotional Intelligence

Hobbies:

- Travel
- Photography
- Yoga
- Read/Write
- MTB
- Piano
- Cinema
- Camping
- Hiking
- Tennis