

CURRICULUM VITAE



**Dr. Ruben Beltran del Rio**  
*Associate Professor*  
*Tecnologico de Monterrey, Mexico*

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**OBJECTIVE:**

To keep on contributing to the forming of people & the transforming of organizations through applied knowledge, technical tools and genuine personal involvement

**SUMMARY OF QUALIFICATIONS**

- 28+ years as an educator for college students
- Visiting professor (University of Tampere at Finland -2009, 2010-; Universidad Caribe at Colombia -2009)
- Certified in innovative, student-centered, didactic techniques: Flip-the-Classroom approach, Service Learning, Problem-Based Learning, Project Oriented Learning, Collaborative Learning
- Distinguished as “Best Professor of ITESM-North Zone”, 2013
- 6-time “Best Professor of the Year” Award at Tecnologico de Monterrey, Campus Juarez
- Certified Six Sigma Black Belt by The George Group; “Seven Habits” by The Covey Institute
- Co-author on two books: (1) “Juarez, entre la frontera y el Mundo”; (2) “Identificación de Oportunidades Estratégicas de Desarrollo para la región Paso del Norte”
- 3+ years of industrial experience in the manufacturing automotive industry.
- Native Spanish speaker, fluent in English (TOEFL score: 663 Test date: 2/12/2014)

**SUMMARY OF POSITIONS**

POSITION	COMPANY	DATE
Associate Professor	Tecnologico de Monterrey, Campus Juarez	1991 to date
Academic Director	Tecnologico de Monterrey, Campus Juarez	2011-2012
Director of Undergrad, Graduate Studies	Tecnologico de Monterrey, Campus Juarez	1996-2001; 2002 - 2005
Six Sigma Coordinator	RCA-Thomson Consumer Electronics	2001- 2002
Quality Control Engineer/Manager	Packard Electric, a division of Delphi United Technologies-Furukawa	1988 – 1991
Head, Chemical Engineering Department	Tecnologico de Parral	1984 – 1988

**ACADEMIC BACKGROUND**

**Doctorate in Industrial Engineering, PhD (emphasis: *Quality Engineering and Management* )**

(Aug 1992 to Jan 1996)

*Kansas State University* (Manhattan, Kansas, USA)

Dissertation: [“The Effect of Personal and Organizational Factors in Employees’ Ability to Recognize Opportunities for Improvement”](#)

**Master of Science (MSc) in Control Engineering**

(Aug 1982 to May 1984)

*University of Texas at Permian Basin* (Odessa, Texas, USA)

Thesis: [“Mathematical Modeling of a Chemical Reactor’s Control System to Produce Urea-Fertilizers”](#)

## **Bachelor of Science in Chemical & Industrial Engineering**

(Aug 1977 to Jun 1981)

*Tecnológico de Chihuahua* (Chihuahua, México)

Thesis: "[Synthesis of Complex Organic Chemical Components](#)"

## **PROFESSIONAL EXPERIENCE**

### **IN THE FIELD OF HIGHER EDUCATION:**

#### **Visiting Professor**

Two terms: Summer 2009, Summer 2010

#### **University of Tampere, Finland.**

- Operations Management for Competitive Advantage
- Supply Chain Management and Logistics for International Operations

Winter 2009

#### **Universidad Autonoma del Caribe, Colombia**

- Quality Systems for Competitiveness

May 2002 to June 2005.

#### **Director of Graduate Studies**

#### **Tecnológico de Monterrey, Campus Ciudad Juarez.**

- Academic Director and Professor for graduate studies. Responsible for serving the needs of 400+ graduate students and professors in 15+ different master's programs and one doctorate program. Also to teach classes at the graduate level within the MBA program.

January 1996 to June 2001.

#### **Academic Director of Undergraduate Studies**

#### **Tecnológico de Monterrey, Campus Ciudad Juarez.**

- Coordinate all academic activities related to several undergraduate programs offered. Serve 100+ professors and 800+ students.

January 1991 to date

#### **Full-time Associate Professor**

#### **Tecnológico de Monterrey, Campus Ciudad Juarez.**

- Teach different courses in the departments of Industrial Engineering and Business Management

**June 1984 to May 1987**

#### **Professor and Head of the Department of Chemical Engineering**

#### **Tecnologico de Parral**

- Teaching in the field of chemical engineering and unit operations. Head of the ChE department. Director of the ChEngr Lab.

### **IN THE INDUSTRIAL FIELD OF MANUFACTURING:**

June 2001 to May 2002

#### **Coordinator. Deployment of the Six Sigma Initiative**

#### **RCA-Thomson Consumer Electronics**

- Responsible for the deployment of the Six Sigma initiative in three manufacturing plants at the Juarez region.

June 1988 to December 1990

**Quality Control Manager**

**Lear Automotive, plant 173 (formerly United Technologies Automotive-Furukawa)**

In charge of the quality department for UTF's manufacturing operations. Ensure that products and processes comply with customers' specifications in the automotive sector: GM, Honda, Isuzu, Mazda, etc.; lead preventive and corrective actions to quality related problems, coordinate team efforts to continuous improvement of quality and competitiveness in the organization.

June 1987 to June 1988

**Quality Engineer.**

**Packard Electric, plant Rio Bravo III (a division of Delphi)**

Lead incoming inspection activities to ensure all supplied raw components comply with the specs needed by Delphi's processes and products. Design and implement corrective/preventive actions to reduce quality problems.

**RESEARCH & PUBLISHING ACTIVITIES:**

- "IOED: Identification of Strategic Opportunities for Development. Paso del Norte Region " , FEMSA/ITESM, Mexico, 2009. ISBN 978-607-7517-37-5
- "Entre la Frontera y el Mundo", Estudios Sociales, Mexico, 2005. ISBN 968-7731-66-4
- "Assessment of Quality Information Systems within manufacturing industry" Leading advisor, Jesus Octavio Martínez, graduate student. Master of Science in Leadership for Manufacturing.
- "Antroquality & the development of personal quality systems " on-going research, pending publication.
- "The Effect of Personal and Organizational Factors in Employees' Ability to Recognize Opportunities for Improvement", Doctoral Research
- "Design of a methodology to achieve ISO/TS 16949 certification for small enterprises in the automotive sector" .
- "Study of Culturally related Dimensions of Continuous Improvement for Total Quality", Leading Advisor, Mario García, graduate student. Master of Science in Quality and Productivity
- "Design of Instruments to Assess Service Quality for Suppliers in the Electric sector"; Leading Advisor, Gabriela Flores Méndez, graduate student. Master of Science in Quality and Productivity.
- "Analysis and Design of Learning Organizations in the manufacturing Sector"; Leading Advisor, Jorge Zamarripa, graduate student. Master of Science in Computer Systems.
- "Adapting Quality System in Environments of Global Competition", Leading Advisor, Adriana Martell Estrada, graduate student. Master of Science degree.
- "Implementation of the Lean Manufacturing Methodology Combining Business Integration in the Development of the Process of New Products" Leading Advisor, Mirna Delgadillo, graduate student. Master of Science in Leadership for Manufacturing.

**MISCELLANEOUS**

- DOB: December 5, 1959
- Citizenship: Mexico
- Married, three children
- Former Member, American Society for Quality (ASQ)
- Active citizenship, education on values & attitudes

**NOTE:** Personal references and further information will be readily available upon request. I am much more than words can say.

**OFFICE:**

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