

Rebeca Sofia Mancilla Gomez

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Date of Birth: 28 January 1980 Colombian Nationality

EDUCATION & QUALIFICATIONS

October 2007

September 2008 Cranfield University, Bedfordshire, UK

Msc Engineering

Options: Process Systems Engineering and Thermal Power

Main subjects include, the better management of energy, designing of energy-efficient systems and processes, utilization of renewable-energy resources and the reduction and control of pollution cost effectively. This knowledge can be directly applied to help various sectors of the economy in improving their competitiveness in the face of dwindling resources, probable substantial increases in unit energy costs and the urgent requirement to comply with the increasingly-restrictive pollution control standards.

Group Project: "Energy Management Diagnostics" (for Cummins Power Generation Ltd). The purpose of the project was to look at the methodology for creating a cleaner and healthier environment and reduce global GHG intensity emissions by 25% from 2005 to 2010. Working within a team of seven, the project involved meeting with the client, detailed planning of the work process and preparation and presentations of reports. Our final recommendations were submitted to the company.

Thesis: 'Economic Viability of the Utilization of Wind Energy'

(commissioned by EGA). Integrate very large amounts of wind capacity in power systems and introduces more additional variability and uncertainty into the operation of the power system.

September 2006

September 2007 MBA Glamorgan University, U K

Options: Business Management

Core subjects included integrate cutting-edge strategic leadership research and practice to achieve business transformation, whether work in a public or private sector organization.

June 2004

September 2005 Universidad del Norte, Barranquilla, Colombian

MSc Engineering

Options: Electrical Energy Transmission System

Main subject included technologies and techniques for its performance in the consultancy and administrative management in the private and public institutions of the power sector, maintaining the regional and national electrical systems in operation in a reliable, safe and economic way.

January 1998

March 2004 Universidad del Norte, Barranquilla, Colombian

Degree in Electrical Engineering

Main subject was operation and management of generation, transmission, distribution and knowledge about buying and sale of energy systems through

stock-market (Wholesale Market of Energy); also, planning design and operation of automatization systems and industrial control processes and enterprise management in the organizations of the sector as well as in the creation of new companies that contribute to the development of the community.

Thesis: “**Alternative mitigation face problems on the stage of expansion in transmission and generation**” in the field of the Atlantic coast and National Transmission Systems, through the simulation device FACTS (Flexible AC Transmission Systems).

COMPUTING SKILLS

Software: CFD (Fluent), Functional Modeling, power-plant designers to attain maximum efficiency, and reduce release of pollutants.

Programming: Visual Basic

Operating Systems: Windows 2000/XP

EMPLOYMENT HISTORY

2005- 2006 Disico S.A, Bogota, Colombian

Commercial Manager

One of the largest telephony, civil and electrical engineering companies in Columbian, Disico undertake large projects in all respective fields. The organization owns multiple factories, with strong focus on providing quality electronic components.

Special Achievements

Responsible for reviewing and documenting complex schematics for a wide range of electronics and generating comprehensive reports for senior management on safety, feasibility and compatibility of systems

2004-2005 Melexa S.A, Barranquilla, Colombian

Sales Assistant

Non-durable goods producer, Melexa is a services company, oriented to obtain the highest quality levels in the commercialization of electrical equipments.

Special Achievements

Undertook book keeping and staff pay roll activities, aided in staff recruitment and sales training and allocating stock across the chain, through extensive analysis and using commercial awareness.

LANGUAGES

French (currently studying)

ACTIVITIES & INTERESTS

Play in university tennis team, go to the cinema, travel

Travelling (Colombian, Panama, Argentina, Chile, Uruguay, United States, France, Spain, Egypt, Israel, Jordan, Italy)

REFERENCES

Dr Ossama M Badr
Cranfield University

Consuelo Triana
Disico S.A