

# Carla Alejandra Coronado-Leiva

## Contact Information

---

E-mail: ccoronado@udec.cl  
Webpage: www.udec.cl/~ccoronado  
Skype: carlacoronadoleiva

## Education

---

2008 – 2010 *Master of Science in Engineering Sciences with a major in Electrical Engineering*, Universidad de Concepción, Chile.  
2004 – 2010 *Electrical Engineer* (professional degree equivalent to six years of university education), Universidad de Concepción, Chile.  
2008 – 2009 *Entrepreneurial Skills Training and Development Program Diploma*, held by the Program of Promotion and Development of Entrepreneurship EMPRENDO, Universidad de Concepción, Chile.  
2004 – 2007 *Bachelor Degree in Engineering Sciences* (academic degree), Universidad de Concepción, Chile.

## Academic Experience

---

2010 – 2011 *Lecturer*, Faculty of Engineering and Technology, Universidad San Sebastián, Concepción, Chile (Subjects of Differential Calculus, Mechanics and Workshop on New Technologies).  
2007 – 2009 *Assistant Student*, Faculty of Engineering, Universidad de Concepción, Concepción, Chile (Subjects of Electromagnetism, Thermodynamics, Economics, Management, Circuits and Electric Machines and Communications Systems).  
2007 – 2009 *Assistant Student*, Faculty of Physical and Mathematical Sciences, Universidad de Concepción, Concepción, Chile (Subjects of Numerical Analysis and Mathematics).

## Research

---

2009 – 2011 *Researcher* in project “A Reinforcement Learning Solution for the Unit Commitment Problem”, submitted paper (Master’s Thesis).  
2009 – 2010 *Researcher* in project “The Unit Commitment Problem Modeled as a Markov Process Solved with Reinforcement Learning” (Undergraduate Thesis).

## Work Experience

---

2011 – Today *Consultant Engineer*, Management Firm Gestión Los Alerces LTDA., Concepción, Chile.  
2007 – 2009 *Assistant*, Computer Laboratories, Universidad de Concepción, Concepción, Chile.  
2008 *Internship*, Engineering Department in Fanaloza S.A., Penco, Chile.  
2007 *Consultant Engineer*, Technological Development Unit, Universidad de Concepción, Concepción, Chile.

## Projects

---

2011 – Today *Chief Engineer* of the wind farm project “Parque Eólico Las Peñas” in the company Forestal R y R LTDA, Arauco, Chile.

## Awards and Honors

---

2011 Honored with *National Prize “Ismael Valdés Valdés”*, Instituto de Ingenieros de Chile (Institute of Engineers of Chile), given for high morals, leadership, and directing qualities, Chile.

2011 Awarded with *Highest Distinction Honors*, Master graduate studies, Universidad de Concepción, Chile.

2010 Granted with *Fulbright Scholarship* for Ph.D. studies, Comisión Fulbright Chile (Chilean Fulbright Commission), USA-Chile.

2010 Honored with *Beca-Chile Scholarship*, Comisión Nacional de Investigación Científica y Tecnológica CONICYT (National Commission of Science and Technological Research), fees for Ph.D. studies, Chile.

2010 Awarded with *Highest Distinction Honors*, undergraduate studies, Universidad de Concepción, Chile.

2008 – 2009 Honored with *Engineering Faculty Scholarship*, funding to pursue the Master in Engineering Sciences program with a major in Electrical Engineering, Universidad de Concepción, Chile.

2004 – 2007 Granted *James V. Lafrankie Scholarship*, for undergraduate studies in Chile, USA.

2003 Awarded with the prize “*Mejor Puntaje PSU*” (Best Score on the National University Admission Test), water company Nuevo Sur, Chile.

## Volunteer Activities

---

2008 Chaired as *Vice-President* of the “Institute of Electrical and Electronics Engineers” IEEE Student Board, Universidad de Concepción, 2008.

2007 Elected as *Student Representative* at the Universidad de Concepción to integrate a dialogue board with university deans and directors to discuss student interest issues.

2007 *Presided the Organizing Committee* of the conference to promote the integral formation of engineering students “I Seminario Formación Integral de un Ingeniero en el Siglo XXI”, Electrical Department, Universidad de Concepción, Concepción.

2006 – 2007 Chaired as *Representative of the Electronic Engineer career* at the Student Board of the Electrical Department, Universidad de Concepción.

## Social Work

---

2008 – 2010 Collaborated as *Communications Minister* of the First Baptist Church of Concepción youth’s group.

2009 Participated as *Volunteer Teacher* for “Instituto de Formación y Capacitación Popular” INFOCAP, taught an entrepreneurial course for adults, Concepción.

2009 Participated as *Director* in the social intervention project “Jornadas de Intervención Social y Urbana”, School of Engineering, Universidad de Concepción.

## **Skills**

---

### *Languages*

- Spanish, native fluency.
- English, advanced fluency.

### *Computer*

- Software: Microsoft Office, MATLAB, other Electric Simulators.
- Programming: C/C++, HTML, LaTeX.

## **Fields of Interest**

---

- Public Policy
- Sustainable Development
- Energy and Environment
- Technology Management
- Developing Countries

## **Other Interests**

---

- Reading, specifically novels, history books, and reports of social criticism.
- Writing, especially opinions and comments about social issues.
- Debate, participated in inter-school debate tournaments and workshops, representing the Engineering School, Universidad de Concepción.