

## PROFESSIONAL EXPERIENCE

---

Present – August 2009	<b>UNIVERSIDAD TÉCNICA FEDERICO SANTA MARÍA</b> Full time lecturer at Electronic Engineering Department	Valparaíso, Chile
June 2009 – January 2007	<b>SENDA LTD.</b> <b>FOUNDER AND PRESIDENT</b> Design, development and implementation of an Enterprise Resource Planning using Web Interface. Business Development by negotiating strategic alliances with companies that want to enter into the Japanese market.	Tokyo, Japan
March 2007 – April 2006	<b>THE UNIVERSITY OF TOKYO, CENTER FOR SPATIAL INFORMATION SCIENCE</b> Visiting Researcher, researching about routing on mobile ad-hoc networks and context aware services.	Tokyo, Japan
March 1999 – April 1998	<b>NEC CORPORATION</b> <ul style="list-style-type: none"><li>In charge of promotion of broadband infrastructure in Asian markets.</li><li>Project manager of the installation and test of a full Video on Demand system. In charge of 5 engineers (15 peak).</li></ul>	Tokyo, Japan

## EDUCATION

---

June 2006 – April 2002	<b>THE UNIVERSITY OF TOKYO</b> PhD. on Information Science and Technology Dissertation: " <i>Pedestrian Mobility Models and Its Applications to Mobile Ad Hoc Networks</i> "	Tokyo, Japan
April 2002 – April 2001	<b>THE UNIVERSITY OF TOKYO</b> Research student at the Institute of Industrial Science	Tokyo, Japan
August 1999 – March 2001	<b>FEDERICO SANTA MARÍA UNIVERSITY</b> Master on Electronic Engineering major in Telecommunications and Computational Systems Thesis: " <i>Diseño de un Simulador para Algoritmos de Rutamiento Multipunto</i> "	Valparaíso, Chile
March 1990 – December 1997	<b>FEDERICO SANTA MARÍA UNIVERSITY</b> Electronic Engineering major in Telecommunications	Valparaíso, Chile

## AWARDS

---

2001	<b>JAPAN MINISTRY OF SCIENCE AND EDUCATION SCHOLARSHIP</b> Scholarship awarded to five Chilean nationals per year
1997	<b>FEDERICO SANTA MARÍA UNIVERSITY MASTER PROGRAM GRANT</b> <b>INTERCAMPUS SCHOLARSHIP</b>
1996	Granted by the Spanish government for a two month research stay at the Polytechnic University of Madrid.

## LANGUAGES

---

- English (Fluent)
- Japanese (Intermediate-High)
- Spanish (Native)

## PROJECTS

---

- 2007                      Enterprise Resource Planning System
- Description: Develop a ERP application in charge to handle the information flow of a used car trade company. Through the system the information about stock, transportation, purchases, sales, shipments and accounting is handled through a web interface. Also all the associated reports, invoices and bills are generated by the system.
- 2004                      Ad Hoc Network Testbed
- Description: The objective of this project was to implement a geographical routing protocol in an ad hoc network. In the implementation the routing decisions were made based in the geographical position of the nodes, each one equipped with GPS receivers.
- 2000                      Master Thesis Work: Connection-oriented Network Simulator
- Description: Develop a graphic software tool to be used as support in the network courses. The software developed was able to show the routing process step by step over a given network topology and also capable to perform simulation to measure the network performance for a set of multi point routing protocols.

## PUBLICATIONS

---

- Werner Creixell and Kaoru Sezaki. "*Routing Protocol for Ad Hoc Mobile Networks using Mobility Prediction*". International Journal of Ad Hoc and Ubiquitous Computing, volume 2, Issue 2 2007.pp 149-156 .
- Werner Creixell and Kaoru Sezaki. "*Routing Protocol for Ad Hoc Mobile Networks using Mobility Prediction*". IEE Mobility Conference, Guanzhou China, November 2005.
- Werner Creixell, Kaoru Sezaki and Shojiro Takeuchi. "*Group Mobility Modeling in Mobile Ad Hoc Networks using Pedestrian Tracked Data*". 2nd International Workshop on Mobility Aware Technologies and Applications, Montreal Canada, October 2005.
- Werner Creixell and Kaoru Sezaki. "*Mobility Prediction Algorithm for Ad Hoc Networks using Pedestrian Trajectory Data*". IEEE TENCON, November 2004, Chiang Mai, Thailand.
- Werner Creixell and Kaoru Sezaki, "*Mobility Model for Ad Hoc Networks Based on Experimental Data*". IEEE APSITT, November 2003, Noumea, New Caledonia.
- Reinaldo Vallejos, Werner Creixell and Alejandra Zapata, "*A Multicast Routing Algorithm based on Link Contribution*". 9th IFIP Conference on Performance Modeling and Evaluation of ATM & IP Networks 2001, Budapest, Hungary.

## RESEARCH INTERESTS

---

Urban Computing, Mobile Ad Hoc Networks, Context Aware Services and Network Performance.

## HOBBIES

---

Soccer, Mountain Bike, Motorcycling, Book Reading and Running.