

Moreno-Sánchez Roberto

PERSONAL INFORMATION	Age	31	LAST UPDATE: March 2017
	Birth-date	October 28, 1985	
	Marital status	Single	

CONTACT INFORMATION	Calle 5, No. 104 B	San Luis Potosí, México
	Quintas del Mar	<i>Cell phone:</i> +521 44 41 91 10 12
	Soledad de Graciano Sánchez	<i>E-mail:</i> roberto.mor.san@hotmail.com

ACADEMIC TRAINING **Universidad Autónoma de San Luis Potosí, SLP, México**

- ▷ **Master in Electrical Engineering.** Titled.
 - Option: “Automatic Control”
 - Line of research: “Power Quality”
 - Titled: February 2012.
- ▷ **Mechanical Electrical Engineer.**
 - Titled: May 2009.

PROFESSIONAL EXPERIENCE **Power Quality Analysis**

- ▷ Experience using, programming and measuring of power quality analyzers , Dranetz, Metrell, Hioki, Fluke, etc.
- ▷ Experience developing measurement strategies.
- ▷ Experience in the analysis, calculation and developing projects for the energy saving and improving power consumption profiles, considering the maximum permissible deviation by the standards and regulations (IEEE, IEC y NOM).
- ▷ Experience in the power consumption profiles for power factor correction and reactive compensation.
- ▷ Harmonic flow analysis at electrical networks for passive filters application.
- ▷ Harmonic resonance analysis, frequency sweep (DPI) and modal analysis.
- ▷ Experience in design of photovoltaic farms.

Modeling and simulation

- ▷ PowerFactory, for power quality analysis, electrical network modeling.
- ▷ RTDS, real time simulations for coordination study.
- ▷ Simulink de MatLab, simulation of control and parameter estimation.

Industrial projects

- ▷ Mine La Caridad de Nacozari, Sonora. Harmonic flow studies, harmonic resonance, Driving Point Impedance, harmonic filters re-tuning. 2016
- ▷ Mine La Caridad de Nacozari, Sonora. Power Quality Study. 2015
- ▷ SEL México. RTDS simulation of the electrical network from Perú. Protection study with angular trigger. 2015
- ▷ México Group. Design of a photovoltaic farm with nominal power of 1MW. 2015
- ▷ Mine Tayahua Concepción del Oro, Zacatecas. Power quality analysis. 2014
- ▷ Negociación Minera de Santa María la Paz, SLP. Power quality analysis. 2014
- ▷ Grunfos, SLP. Power quality analysis and high frequency transient characterization. 2013

ACADEMIC EXPERIENCE **UASLP, San Luis Potosí, SLP, México**

<i>Subjects Taught</i>	January 2008 - June 2016
Control I and II	Geometry and Trigonometry
Power Electronics A	Algebra
Electric Circuits A	Laboratory of Fluids Mechanics
Electricity and Magnetism	Laboratory of Hydraulic and Pneumatic Circuits

Colegio Sagrado Corazón, San Luis Potosí, SLP, México

<i>Subjects Taught</i>	January - December 2012
Subject: Physics. High School.	
Subject: Mathematics. High School.	

LANGUAGES English 70%

SCIENTIFIC PRODUCTION **Moreno-Sánchez R**, Visairo-Cruz N, Núñez-Gutiérrez C, et al. "Monitorización de Anomalías Transitorias Eléctricas. Detección y Aislamiento de Impulsos y Muestras Eléctricas" DYNA Ingeniería e Industria. July 2012. Vol. 87-4 p.424-430. **Impact Factor = 0.171**, DOI <http://dx.doi.org/10.6036/4573>.

Moreno-Sánchez R, Visairo-Cruz N, Núñez-Gutiérrez C, et al. "A Novel Algorithm for Voltage Transient Detection and Isolation for Power Quality Monitoring" Elsevier, Electric Power System Research Vol. 114 Pag. 110-117 **Impact Factor = 1.69** January 2014. DOI: <http://dx.doi.org/10.1016/j.epsr.2014.04.009>.

COMPUTER SKILLS ▷ Dedicated Softwares: PowerFactory, RSCAD (RTDS), RETScreen, PSIM, Protel, RSLix, NI-Labview, MatLab and power quality softwares.
 ▷ Text Editors: \LaTeX y Office Word package.
 ▷ Programming: Staircase, Pascal, PCTeX scripts y MatLab editor.
 ▷ Operative systems: Linux, Windows.

GENERAL EXPERIENCE **"Parque Acuático Splash"**, Rioverde, SLP, México

<i>Maintenance Area</i>	May 2002 - July 2005
Maintenance of pumps, electrical motors for park service, electrical installation in general, green areas and water maintenance.	

"Balneario El Manantial", Cd. Fernández, SLP, México

<i>Maintenance Area</i>	March 1999 - April 2002
Personal management and activity coordination, maintenance of pumps, electrical motors for park service, electrical installation in general, green areas and water maintenance.	

COURSES AND TRAINING ▷ Training course for RSCAD to use of Real Time Digital Simulator.
 ▷ Basic training for mining.
 ▷ Training course for design and sizing photovoltaic farms.
 ▷ Course of electrical vehicles.