

# PRODUCCIÓN

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## Sistemas Eléctricos de Potencia

**2013-2017**

Cañedo Castañeda, José Manuel  
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# 1. Artículos

Profesor	Tipo Artículo	Año	Nombre artículo	Publicado en	Estudiante	Graduado
CAÑEDO CASTAÑEDA JOSE MANUEL	Memorias de congresos	2014	<a href="#">A FIXED TIME OBSERVER FOR FLUX AND LOAD IN INDUCTION MOTORS</a>	CLCA 2014	Juan Diego Sánchez Torres 2011-2015 / Guillermo Javier Rubio Astorga 2009-2012	
CAÑEDO CASTAÑEDA JOSE MANUEL	Revistas Indizadas	2015	<a href="#">APPLICATION OF PI AND SUPER TWISTING DRIVERS TO VOLTAGE REGULATION OF WIND FARM VIA STATCOM ISSN: 1548-0992</a>	IEEE Latin America Transactions	Néstor Daniel Galán Hernández 2009- 2012 / José Roberto Rosas Reyes 2010-2013 / Julián López Ríos 2013- 2016	
CAÑEDO CASTAÑEDA JOSE MANUEL	Revistas Indizadas	2014	<a href="#">CORE LOSS AND EXCITATION CURRENT MODEL FOR WOUND CORE DISTRIBUTION TRANSFORMERS. E-ISSN: 2050-7038</a>	International Transactions on Electrical Energy Systems	<i>Iván Abel Hernández Robles 2006- 2009</i>	
CAÑEDO CASTAÑEDA JOSE MANUEL	Revistas Indizadas	2014	<a href="#">DIGITAL SLIDING-MODE SENSORLESS CONTROL FOR SURFACE-MOUNTED PMSM ISSN: 1551- 3203</a>	IEEE Transaction on Industrial Informatics	Marco Antonio Meza Aguilar 2012- 2015	
CAÑEDO CASTAÑEDA JOSE MANUEL	Revistas Indizadas	2014	<a href="#">HIGH-ORDER SLIDING MODE BLOCK CONTROL OF SINGLE-PHASE INDUCTION MOTOR. ISSN: 1063-6536</a>	IEEE Transaction on Control Systems Technology	Guillermo Javier Rubio Astorga 2009- 2012 / Juan Diego Sánchez Torres 2011-2015	
CAÑEDO CASTAÑEDA JOSE MANUEL	Memorias de congresos	2013	<a href="#">INTEGRAL HIGH ORDER SLIDING MODE CONTROL OF SINGLE-PHASE INDUCTION MOTOR</a>	International Conference on Electrical Engineering, Computing Science and Automatic Control (CCE)	Guillermo Javier Rubio Astorga 2009- 2012 / Juan Diego Sánchez Torres 2011-2015	
CAÑEDO CASTAÑEDA JOSE MANUEL	Revistas Indizadas	2013	MODELOS EQUIVALENTES DE SISTEMAS DE GENERACIÓN EÓLICA CON GENERADORES DE JAULA DE ARDILLA	IEEE Sección México		
CAÑEDO CASTAÑEDA JOSE MANUEL	Revistas Indizadas	2016	<a href="#">Novel Technique to Compute the Leakage Reactance of Three-Phase Power Transformers</a>	IEEE Transaction On Power Delivery		
CAÑEDO CASTAÑEDA JOSE MANUEL	Revistas Indizadas	2016	<a href="#">On the Discrete-Time Modeling and Control of Synchronous Generators by Means of Variational Integrators and Sliding Modes.</a>	Proceedings of the IEEE 55th Conference on Decision and Control (CDC),	Cristian Camilo Zapata Zuluaga 2016- 2020	
CAÑEDO CASTAÑEDA	Revistas	2014	<a href="#">POWER FLOWS IN POWER SYSTEMS WITH</a>	PROCEEDINGS OF THE 2014 IEEE CENTRAL AMERICA AND PANAMA		

Profesor	Tipo Artículo	Año	Nombre artículo	Publicado en	Estudiante	Graduado
JOSE MANUEL	Indizadas		<a href="#">ALTERNATIVE ENERGY SOURCES</a>	CONVENTION (CONCAPAN XXXIV)		
CAÑEDO CASTAÑEDA JOSE MANUEL	Revistas Indizadas	2013	REGULACIÓN DE VOLTAJE DE UN PARQUE EÓLICO DE AEROGENERADORES DE JAULA DE ARDILLA CON STATCOM, USANDO CONTROLADORES PI Y SUPER-TWISTING	IEEE Sección México		
CAÑEDO CASTAÑEDA JOSE MANUEL	Revistas Indizadas	2016	<a href="#">Robust Observer-Based Adaptive Sliding Modes Control of Synchronous Motor.</a>	Proceedings of the 13th International Conference on Electrical Engineering, Computing Science and Automatic Control (CCE)	Jediael Machín Almeida	2012-2016
CAÑEDO CASTAÑEDA JOSE MANUEL	Revistas Indizadas	2014	<a href="#">SECOND ORDER MODE BLOCK CONTROL OF SINGLE-PHASE INDUCTION MOTORS. ISSN: 1099-1239</a>	International Journal of Robust and Nonlinear Control	Guillermo Javier Rubio Astorga	2009-2012
CAÑEDO CASTAÑEDA JOSE MANUEL	Memorias de congresos	2014	<a href="#">VOLTAGE REGULATION BY STATCOM ON WIND FARM WITH SCIG USING PI AND SUPER-TWISTING CONTROLLERS</a>	PROCEEDINGS OF THE 2014 IEEE CENTRAL AMERICA AND PANAMA CONVENTION (CONCAPAN XXXIV),	Néstor Daniel Galán Hernández	2009-2012 / José Roberto Rosas Reyes 2010-2013
MORENO VILLALOBOS PABLO	Memorias de congresos	2013	<a href="#">A PRACTICAL FORMULATION OF THE IMAGE RULE FOR ELECTROMAGNETIC SPHERICAL WAVE SOURCES ABOVE A PEC OR PMC PLANE INTERFACE</a>	IEEE International Symposium on Antennas and Propagation	José Rodrigo Camacho Pérez	2007-2010
MORENO VILLALOBOS PABLO	Revistas Indizadas	2013	<a href="#">A simple and reliable method to extract the electrical equivalent circuits of CMOS pads</a>	Microwave and Optical Technology Letters	Héctor Javier Saavedra Gómez	- 2013
MORENO VILLALOBOS PABLO	Revistas Indizadas	2013	<a href="#">A SIMPLE DE-EMBEDDING METHOD FOR ON-WAFER RF CMOS FET USING TWO MICROSTRIPS LINES</a>	Revista Mexicana de Física	Héctor Javier Saavedra Gómez	- 2013
MORENO VILLALOBOS PABLO	Memorias de congresos	2013	<a href="#">A SIMPLE PROCEDURE TO SYNTHESIZE INPUT AND OUTPUT MATCHING NETWORKS WITH SHORT STUB FOR CLASS F-1 PAS</a>	IEEE 56th International Midwest Symposium on Circuits and Systems		
MORENO VILLALOBOS PABLO	Revistas Indizadas	2014	<a href="#">A STAGGERED TRANSMISSION SCHEME FOR MITIGATING ELECTROMAGNETIC INTERFERENCE LEVELS RADIATED BY HIGH-SPEED DIGITAL SYSTEMS</a>	Journal of Electromagnetic Waves and Applications	José Francisco Herrera Santos	2009-2012

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MORENO VILLALOBOS PABLO	Revistas Indizadas	2016	<a href="#">Aerial line model for power system electromagnetic transients simulation</a>	IET Generation, Transmission & Distribution	Jorge Luis Garcia Sanchez 2012-2015 / Julian Sotelo Castañon 2012-2015 / Eduardo Salvador Bañuelos Cabral 2012-2015 / Verónica Adriana Galván Sánchez 2011-2015	
MORENO VILLALOBOS PABLO	Revistas Indizadas	2015	<a href="#">AN ALTERNATIVE METHOD TO EXTRACT THE PARASITIC CAPACITANCES OF GAN FETS</a>	Microwave and Optical Technology Letters		
MORENO VILLALOBOS PABLO	Revistas Indizadas	2017	<a href="#">An empirical nonlinear RF model for CMOS fet suitable for modeling the breakdown region</a>	Microwave and Optical Technology Letters	Israel Hernández Díaz - 2017 / Héctor Javier Saavedra Gómez - 2013	
MORENO VILLALOBOS PABLO	Revistas Indizadas	2015	<a href="#">ANALYSIS OF MEMS STRUCTURES TO IDENTIFY THEIR FREQUENCY RESPONSE ORIENTED TO ACOUSTIC APPLICATIONS</a>	Superficies y Vacío	Francisco Javier Ibarra Villegas 2012-2015	
MORENO VILLALOBOS PABLO	Revistas Indizadas	2015	<a href="#">Calculation of Reflection Losses in a Small Anechoic Chamber</a>	IEEE Latin America Transactions	José Francisco Herrera Santos 2009-2012	
MORENO VILLALOBOS PABLO	Revistas Indizadas	2016	<a href="#">Characterization of signals consisting of multiple time-varying sinusoidal components</a>	COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering	Julian Sotelo Castañon 2012-2015 / Verónica Adriana Galván Sánchez 2011-2015 / Jorge Luis Garcia Sanchez 2012-2015 / Eduardo Salvador Bañuelos Cabral 2012-2015	
MORENO VILLALOBOS PABLO	Revistas Indizadas	2014	<a href="#">ENHANCED RF CHARACTERISTICS OF A 0.5 MM HIGH VOLTAGE NMOSFET (HVMOS) IN A STANDARD CMOS TECHNOLOGY. ISSN: 1665-6423</a>	Journal of Applied Research and Technology		
MORENO VILLALOBOS PABLO	Memorias de congresos	2014	<a href="#">Frequency Domain Simulation of Fault Transients in Transmission Lines Including Measurement Transformers</a>		Carlos Miguel Luna Zavala 2015-2019 / Julian Sotelo Castañon 2012-2015	
MORENO VILLALOBOS PABLO	Revistas Indizadas	2017	<a href="#">Implementation of SoC Based Real-Time Electromagnetic Transient Simulator</a>	Mathematical Problems in Engineering	Isai Herrera Leandro 2012-2015	

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MORENO VILLALOBOS PABLO	Revistas Indizadas	2014	<a href="#">INITIAL CONSIDERATIONS TOWARDS HEMISPHERICAL NEAR-FIELD ANTENNA MEASUREMENTS</a>	IEEE Antennas and Wireless Propagation Letters	José Rodrigo Camacho Pérez - 2014	
MORENO VILLALOBOS PABLO	Revistas Indizadas	2013	<a href="#">NEW MODEL FOR OVERHEAD LOSSY MULTICONDUCTOR TRANSMISSION LINES</a>	IET Generation, Transmission and Distribution		
MORENO VILLALOBOS PABLO	Memorias de congresos	2013	<a href="#">On the Inclusion of Nonlinear Conditions in Numerical Laplace Transform Analysis</a>	International Conference on Power Systems Transients		
MORENO VILLALOBOS PABLO	Memorias de congresos	2016	<a href="#">Second harmonic suppression band-pass filter based on a Modified 1st order microstrip coupled line</a>	IEEE MTT-S Latin America Microwave Conference	Jorge Luis Urbina Martínez 2013-2017	
MORENO VILLALOBOS PABLO	Revistas Indizadas	2015	<a href="#">Solution to Carson's integrals through power series</a>	Ingeniería Energética	Eduardo Salvador Bañuelos Cabral 2012-2015 / José Gerardo García Sánchez 2013-2017 / Julian Sotelo Castañon 2012-2015 / Verónica Adriana Galván Sánchez 2011-2015	
MORENO VILLALOBOS PABLO	Revistas Indizadas	2017	<a href="#">Transformer model with saturation effects for frequency-domain transients simulation</a>	IET Generation, Transmission and Distribution	Carlos Miguel Luna Zavala 2015-2019	
MORENO VILLALOBOS PABLO	Memorias de congresos	2013	<a href="#">UNA NUEVA SOLUCIÓN DE LAS INTEGRALES DE CARSON MEDIANTE SERIES DE POTENCIA</a>	Congreso Internacional de Alta Tensión y Aislamiento Eléctrico	Eduardo Salvador Bañuelos Cabral 2012-2015 / José Gerardo García Sánchez 2013-2017 / Julian Sotelo Castañon 2012-2015 / Verónica Adriana Galván Sánchez 2011-2015	
NAREDO VILLAGRAN JOSE LUIS ALEJANDRO	Revistas Indizadas	2015	<a href="#">A Numerical Investigation of a Series Solution for Calculating Zg of Underground Power Cables</a>	Proceedings of the 11th International Conference on Power Systems Transients, IPST¿2015		
NAREDO VILLAGRAN JOSE LUIS ALEJANDRO	Revistas Indizadas	2015	<a href="#">Accuracy Assessment of a Phase Domain Line Model</a>	Proceedings of the 11th International Conference on Power System Transients	Martín Gerardo Vega Grijalva 2014-2017	
NAREDO VILLAGRAN JOSE LUIS ALEJANDRO	Revistas Indizadas	2015	<a href="#">Analysis of the Influence of LPG Density on the Performance of a Centrifugal Pump-Impeller Through CFD Analysis</a>	Proceedings of the SPE Latin American and Caribbean Petroleum Engineering Conference, LACPEC 15		

Profesor	Tipo Artículo	Año	Nombre artículo	Publicado en	Estudiante	Graduado
NAREDO VILLAGRAN JOSE LUIS ALEJANDRO	Revistas Indizadas	2013	COMPARACIÓN DE TÉCNICAS DE AJUSTE RACIONAL USADAS PARA LA SÍNTESIS DE MODELOS DINÁMICOS DE SISTEMAS DE TRANSMISIÓN DE POTENCIA ELÉCTRICA. ISBN: 978-959-261-437-6	ALTAE 2013, Congreso Internacional de Alta Tensión y Aislamiento Eléctrico		
NAREDO VILLAGRAN JOSE LUIS ALEJANDRO	Revistas Indizadas	2013	<a href="#">CROSTALK CANCELLATION ON HIGH-SPEED INTERCONNECTS THROUGH A MIMO LINEAR PRECODING . ISSN. 0018-9480</a>	IEEE Transactions on Microwave Theory and Techniques		
NAREDO VILLAGRAN JOSE LUIS ALEJANDRO	Revistas Indizadas	2014	<a href="#">Digital filter realizations of a phase domain transmission line model for electromagnetic transient analysis</a>	IEEE Proceedings of the North American Power Symposium, NAPS 2014	Martín Gerardo Vega Grijalva 2014-2017	
NAREDO VILLAGRAN JOSE LUIS ALEJANDRO	Revistas Indizadas	2015	<a href="#">Enhancing the Accuracy of Rational Function-Based Models Using Optimization</a>	Electric Power Systems Research	Eduardo Salvador Bañuelos Cabral 2012-2015 / José Gerardo García Sánchez 2013-2017 / Julian Sotelo Castañon 2012-2015 / Verónica Adriana Galván Sánchez 2011-2015	
NAREDO VILLAGRAN JOSE LUIS ALEJANDRO	Revistas Indizadas	2015	<a href="#">Identificación de parámetros con métodos numéricos para el modelado de sistemas eléctricos con dependencia frecuencial ISSN:1815-5901.</a>	Ingeniería Energética	Eduardo Salvador Bañuelos Cabral 2012-2015 / José Gerardo García Sánchez 2013-2017 / Julian Sotelo Castañon 2012-2015 / Verónica Adriana Galván Sánchez 2011-2015	
NAREDO VILLAGRAN JOSE LUIS ALEJANDRO	Revistas Indizadas	2015	<a href="#">On the Accuracy of the Phase-Domain Model for EMT Analysis of Transmission Lines and Cables</a>	IEEE Proceedings of the Power & Energy Society General Meeting 2015, 2017 PES'15	Martín Gerardo Vega Grijalva 2014-	
NAREDO VILLAGRAN JOSE LUIS ALEJANDRO	Memorias de congresos	2013	<a href="#">ON THE INCLUSION OF NONLINEAR CONDITIONS IN NUMERICAL LAPLACE TRANSFORM ANALYSIS</a>	Proceedings of the 10th International Conference on Power System Transients, IPST2013	Cipriano Villanueva Pardo 2011-2015	
NAREDO VILLAGRAN JOSE LUIS ALEJANDRO	Revistas Indizadas	2015	<a href="#">Phase-Domain Line/Cable Model Through Second-Order Blocks ISSN: 0885-8977</a>	, IEEE Transactions on Power Delivery		
NAREDO VILLAGRAN JOSE LUIS ALEJANDRO	Revistas Indizadas	2014	<a href="#">Poly-phase filter-bank realization for the simulation of electric-network transients</a>	IEEE Proceedings of the 11th Conference on Electrical Engineering, Computing Science and Automatic	Jean René Zuluaga Duque 2015-2018	

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					Control	
NAREDO VILLAGRAN JOSE LUIS ALEJANDRO	Revistas Indizadas	2013	SIMULACIÓN RÁPIDA Y PRECISA DE LA DINÁMICA DE UN SISTEMA DE POTENCIA MEDIANTE EL USO DE TÉCNICAS DE MULTIRRESOLUCIÓN Y DE PROCESAMIENTO EN PARALELO. ISBN: 978-959-261-437-6	ALTAE 2013, Congreso Internacional de Alta Tensión y Aislamiento Eléctrico		
NAREDO VILLAGRAN JOSE LUIS ALEJANDRO	Revistas Indizadas	2014	<a href="#">Wavelet and multi-rate analysis for the simulation of electromagnetic transients in power systems</a>	IEEE Proceedings of the North American Power Symposium, NAPS 2014	Jean René Zuluaga Duque 2015-2018	
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Revistas Indizadas	2017	<a href="#">Allocation of PMUs for power system-wide inertial frequency response estimation</a>	IET Gener. Transm. Distrib.		
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Revistas Indizadas	2014	<a href="#">BOOTSTRAP CASCADED MULTILEVEL CONVERTER</a>	IEICE Electronics Express		
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Revistas Indizadas	2015	<a href="#">DC-DC MULTIPLIER BOOST CONVERTER WITH RESONANT SWITCHING</a>	Electric Power Systems Research		
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Revistas Indizadas	2014	<a href="#">DECOMPOSITION-BASED MODERN METAHEURISTIC ALGORITHMS FOR MULTI-OBJECTIVE OPTIMAL POWER FLOW &amp; A COMPARATIVE STUDY</a>	Engineering Applications of Artificial Intelligence ISSN: 0952-1976	Miguel Alfonso de Jesús Medina López 2010-2014	
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Revistas Indizadas	2015	<a href="#">Detection and classification of faults in transmission lines using the maximum wavelet singular value and Euclidean norm.</a>	IET Gener. Transm. Distrib.		
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Revistas Indizadas	2015	<a href="#">Digital filter for phasor estimation applied to distance realys</a>	IET Gener. Transm. Distrib.		
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Revistas Indizadas	2013	<a href="#">DISEÑO DE UN SISTEMA DE GENERACIÓN BASADO EN FUENTES RENOVABLES E HIDRÓGENO</a>	RIE&C, REVISTA DE INGENIERÍA ELÉCTRICA, ELECTRÓNICA Y COMPUTACIÓN		

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RAMIREZ ARREDONDO JOSE JUAN MANUEL	Revistas Indizadas	2016	<a href="#">Distance Relays Based on the Taylor-Kalman-Fourier Filter</a>	IEEE TRANSACTIONS ON POWER DELIVERY	Alejandro Zamora Méndez 2012-2016 / Mario Roberto Arrieta Paternina 2014-2017	
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Revistas Indizadas	2017	<a href="#">Dynamic Equivalents by Modal Decomposition of Tie-Line Active Power Flows</a>	IEEE TRANSACTIONS ON POWER SYSTEMS	Alejandro Zamora Méndez 2012-2016 / Mario Roberto Arrieta Paternina 2014-2017	
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Revistas Indizadas	2015	<a href="#">EXPERIMENTAL DESIGN FOR A LARGE POWER SYSTEM VULNERABILITY ESTIMATION</a>	Electric Power Systems Research		
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Revistas Indizadas	2016	<a href="#">Identification of electromechanical modes based on the digital Taylor-Fourier transform</a>	IEEE Trans. Power Syst.	Alejandro Zamora Méndez 2012-2016 / Mario Roberto Arrieta Paternina 2014-2017	
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Revistas Indizadas	2015	<a href="#">Methodology for multiarea state estimation solved by a decomposition method</a>	Electric Power Systems Research	<i>Xiomara González Ramírez 2011-2014</i>	
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Revistas Indizadas	2014	<a href="#">Modification of Geometric Parameters in Outer Rotor Permanent Magnet Generators to Improve THD, Efficiency, and Cogging Torque</a>	International Journal of Emerging Electric Power Systems	Javier de la Cruz Soto 2011-2014	
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Revistas Indizadas	2017	<a href="#">Multi-dimensional ringdown modal analysis by filtering</a>	Electric Power Systems Research	Alejandro Zamora Méndez 2012-2016 / Mario Roberto Arrieta Paternina 2014-2017	
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Revistas Indizadas	2014	<a href="#">MULTI-FED POWER ELECTRONIC TRANSFORMER FOR USE IN MODERN DISTRIBUTION SYSTEMS</a>	IEEE TRANSACTIONS ON SMART GRID	Johnny Posada Contreras 2010-2013	
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Revistas Arbitradas	2014	<a href="#">OPERACIÓN DESCENTRALIZADA EN GRANDES SISTEMAS DE POTENCIA USANDO ALGORITMOS GENÉTICOS</a>	Información Tecnológica ISSN 0718-0764		
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Revistas Indizadas	2013	<a href="#">PER-SEQUENCE VECTOR-SWITCHING MATRIX CONVERTER MODULES FOR VOLTAGE REGULATION</a>	IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS		
RAMIREZ ARREDONDO JOSE	Revistas	2014	<a href="#">PIECEWISE SOLUTION TO THE RECONFIGURATION PROBLEM BY A MINIMAL</a>	International Journal of Emerging Electric Power Systems. Volume 0,	Diana Paola Montoya Escobar 2012-	



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JUAN MANUEL	Arbitradas		<a href="#">SPANNING TREE ALGORITHM</a>	Issue 0, ISSN (Online) 1553-779X		2016
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Revistas Arbitradas	2014	<a href="#">POWER SYSTEMS DECENTRALIZED OPTIMIZATION</a>	Journal of Emerging Electric Power Systems. Volume 0, Issue 0, ISSN (Online) 1553-779X		
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Revistas Indizadas	2013	<a href="#">REACTIVE POWER HANDLING BY A MULTI-OBJECTIVE TEACHING LEARNING OPTIMIZER BASED ON DECOMPOSITION</a>	IEEE TRANSACTIONS ON POWER SYSTEMS ISSN 0885-8950.	Miguel Alfonso de Jesús Medina López	2010-2014
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Revistas Indizadas	2014	<a href="#">REAL TIME CONTROL OF AIR FEED SYSTEM IN A PEM FUEL CELL BY MEANS OF AN ADAPTIVE NEURAL-NETWORK</a>	International Journal of Hydrogen Energy		
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Revistas Indizadas	2016	<a href="#">Real-time implementation of the digital Taylor-Fourier transform for identifying low frequency oscillations.</a>	Electric Power Systems Research	Alejandro Zamora Méndez	2012-2016 / Mario Roberto Arrieta Paternina 2014-2017
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Revistas Indizadas	2016	<a href="#">Renewable technologies for generation systems in islands and their application to Cozumel Island, Mexico.</a>	Renewable and Sustainable Energy Reviews		
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Revistas Indizadas	2016	<a href="#">Statistical method for on-line voltage collapse proximity estimation</a>	International Journal of Electrical Power and Energy Systems		
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Revistas Indizadas	2014	<a href="#">TECHNO-ECONOMICAL OPTIMIZATION BASED ON SWARM INTELLIGENCE ALGORITHM FOR A STAND-ALONE WIND-PHOTOVOLTAIC-HYDROGEN POWER SYSTEM AT SOUTH-EAST REGION OF MEXICO</a>	International Journal of Hydrogen Energy		
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Revistas Indizadas	2015	<a href="#">Tracking the maximum power transfer and loadability limit from sensitivities-based impedance matching</a>	Electric Power Systems Research		
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Revistas Indizadas	2014	<a href="#">Use of a multi-objective teaching-learning algorithm for reduction of power losses in a power test system.</a>	DYNA	Miguel Alfonso de Jesús Medina López	2010-2014
RAMIREZ ARREDONDO JOSE	Revistas	2014	<a href="#">VOLTAGE COLLAPSE DETECTION BASED ON</a>	Electric power system research ISSN:		

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JUAN MANUEL	Indizadas		<a href="#">LOCAL MEASUREMENTS</a>	0378-7796		
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Revistas Indizadas	2015	<a href="#">Voltage compensator based on a direct matrix converter without energy storage</a>	The Institution of Engineering and Technology Power Electronics		
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Revistas Indizadas	2013	<a href="#">VOLTAGE THD IMPROVEMENT FOR AN OUTER ROTOR PERMANENT MAGNET SYNCHRONOUS MACHINE</a>	International Journal of Emerging Electric Power Systems, ISSN: 1553-779X	Javier de la Cruz Soto 2011-2014	
RAMIREZ VAZQUEZ AMNER ISRAEL	Revistas Indizadas	2015	<a href="#">A FREQUENCY-DOMAIN EQUIVALENT-BASED APPROACH TO COMPUTE PERIODIC STEADY-STATE OF ELECTRICAL NETWORKS. ISSN: 0378-7796.</a>	Electric Power Systems Research	Mauricio Caixba Sánchez 2010-2014	
RAMIREZ VAZQUEZ AMNER ISRAEL	Revistas Indizadas	2017	<a href="#">A novel frequency-domain approach for distributed harmonic analysis of multi-area interconnected power systems</a>	ELECTRIC POWER SYSTEMS RESEARCH, ELSEVIER		
RAMIREZ VAZQUEZ AMNER ISRAEL	Revistas Indizadas	2016	<a href="#">Computation of stationary state of grid-tied photovoltaic systems via harmonic domain</a>	Proceedings of the International Power System Transients Conference		
RAMIREZ VAZQUEZ AMNER ISRAEL	Revistas Indizadas	2016	<a href="#">Efficient harmonic-based simulation of switched networks linked to nonlinear circuits</a>	Proceedings of the North American Power Symposium		
RAMIREZ VAZQUEZ AMNER ISRAEL	Revistas Indizadas	2014	<a href="#">ENHANCED FITTING TO OBTAIN AN ACCURATE DC RESPONSE OF TRANSMISSION LINES IN THE ANALYSIS OF ELECTROMAGNETIC TRANSIENTS. ISSN:0885-8977</a>	IEEE Transactions on power delivery		
RAMIREZ VAZQUEZ AMNER ISRAEL	Revistas Indizadas	2017	<a href="#">Equivalent signal theory for frequency domain modeling of linear time-periodic systems: PWM application</a>	Proceedings of the International Power System Transients Conference		
RAMIREZ VAZQUEZ AMNER ISRAEL	Revistas Indizadas	2016	<a href="#">Extended harmonic domain model of a wind power generator for harmonic dynamics analysis</a>	IEEE Trans. on Power Delivery	Uriel Vargas Gazcón 2015-2019	
RAMIREZ VAZQUEZ AMNER ISRAEL	Revistas Indizadas	2017	<a href="#">Flexible harmonic domain model of a photovoltaic system for steady-state analysis</a>	Proceedings of the International Conference on Energy and Environment	Uriel Vargas Gazcón 2015-2019	

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RAMIREZ VAZQUEZ AMNER ISRAEL	Memorias de congresos	2014	<a href="#">FREQUENCY DOMAIN TECHNIQUES FOR MODELING DISCRETE SWITCHING EVENTS: EMT ANALYSIS.</a>	Proceedings of the IEEE PES General Meeting 2014		
RAMIREZ VAZQUEZ AMNER ISRAEL	Revistas Indizadas	2014	<a href="#">FREQUENCY-DOMAIN APPROACH TO CALCULATE STEADY-STATE OF A STAND-ALONE PHOTOVOLTAIC SYSTEM.</a>	Proceedings of the North American Power Symposium 2014		
RAMIREZ VAZQUEZ AMNER ISRAEL	Revistas Indizadas	2014	<a href="#">FREQUENCY-DOMAIN COMPUTATION OF MAXIMUM LIGHTNING OVERVOLTAGE ALONG A CABLE PROTECTED BY SURGE ARRESTERS.</a>	Proceedings of the North American Power Symposium 2014		
RAMIREZ VAZQUEZ AMNER ISRAEL	Revistas Indizadas	2017	<a href="#">Frequency-domain modeling of time-periodic switched electrical networks: A review</a>	Ain Shams Engineering Journal, ELSEVIER		
RAMIREZ VAZQUEZ AMNER ISRAEL	Revistas Indizadas	2015	<a href="#">Frequency-domain simulation of electromagnetic transients using variable sampling time-step</a>	IEEE Transactions on power delivery		
RAMIREZ VAZQUEZ AMNER ISRAEL	Memorias de congresos	2015	<a href="#">HARMONIC DOMAIN MODEL OF A WIND POWER GENERATOR FOR STEADY-STATE ANALYSIS.</a>	Proceedings of the North American Power Symposium 2015	Uriel Vargas Gazcón 2015-2019	
RAMIREZ VAZQUEZ AMNER ISRAEL	Revistas Indizadas	2016	<a href="#">Harmonic/state model order reduction of nonlinear networks</a>	IEEE Trans. on Power Delivery		
RAMIREZ VAZQUEZ AMNER ISRAEL	Revistas Indizadas	2016	<a href="#">Interfacing transient stability and extended harmonic domain for dynamic harmonic analysis of power systems</a>	IET Generation, Transmission, and Distribution		
RAMIREZ VAZQUEZ AMNER ISRAEL	Revistas Indizadas	2017	<a href="#">Measurement-based characterization of residential lighting devices: CFL and LED</a>	Proceedings of the North American Power Symposium		
RAMIREZ VAZQUEZ AMNER ISRAEL	Revistas Indizadas	2016	<a href="#">Model order reduction via balanced realizations: Application to dynamic power system equivalents</a>	IEEE Trans. on Power Delivery		
RAMIREZ VAZQUEZ AMNER ISRAEL	Revistas Indizadas	2015	<a href="#">MULTI-FREQUENCY SWEEPING METHOD FOR PERIODIC STEADY-STATE COMPUTATIONS ON THE GRAPHICS PROCESSOR UNIT. ISSN: 0378-7796.</a>	Electric Power Systems Research	Eric Morales Aguilar 2009-2012	

Profesor	Tipo Artículo	Año	Nombre artículo	Publicado en	Estudiante	Graduado
RAMIREZ VAZQUEZ AMNER ISRAEL	Revistas Indizadas	2013	<a href="#">ON THE INCLUSION OF NONLINEAR CONDITIONS IN NUMERICAL LAPLACE TRANSFORM ANALYSIS.</a>	Proceedings of the International Power Systems Transients Conference 2013		
RAMIREZ VAZQUEZ AMNER ISRAEL	Revistas Indizadas	2013	<a href="#">PERIODIC STEADY STATE SOLUTION OF DISTRIBUTION NETWORKS VIA SWEEPING ITERATIONS. ISSN:1751-8687</a>	IET Generation, Transmission, and Distribution	Eric Morales Aguilar 2009-2012	
RAMIREZ VAZQUEZ AMNER ISRAEL	Revistas Indizadas	2016	<a href="#">Reduced-order extended harmonic domain modeling of switched networks</a>	Proceedings of the International Power System Transients Conference	Uriel Vargas Gazcón 2015-2019	
RAMIREZ VAZQUEZ AMNER ISRAEL	Memorias de congresos	2014	<a href="#">REDUCED-ORDER STATE-SPACE SYSTEMS IN THE DYNAMIC HARMONIC DOMAIN.</a>	Proceedings of the International Conference on Harmonics and Quality of Power 2014		
RAMIREZ VAZQUEZ AMNER ISRAEL	Revistas Indizadas	2016	<a href="#">Reformulating Extended Harmonic Domain Models for Accurate Representation of Harmonics Dynamics</a>	IEEE Trans. on Power Delivery	Uriel Vargas Gazcón 2015-2019	
RAMIREZ VAZQUEZ AMNER ISRAEL	Revistas Indizadas	2016	<a href="#">Sample-reduced frequency-domain approach for transient and steady-state computation of switched networks</a>	Proceedings of the North American Power Symposium		
RAMIREZ VAZQUEZ AMNER ISRAEL	Revistas Indizadas	2016	<a href="#">SVD-based Reduced-Order Rational Approximation for EMT Analysis</a>	Proceedings of the IEEE Electrical Power and Energy Conference	Edgar Yitzhak Medina Lara 2016-2019	
RAMIREZ VAZQUEZ AMNER ISRAEL	Revistas Indizadas	2015	<a href="#">SVD-BASED REDUCED-ORDER RATIONAL APPROXIMATION ON SPECIFIC FREQUENCY BANDWIDTH.</a>	Proceedings of the North American Power Symposium 2015	Edgar Yitzhak Medina Lara 2016-2019	
ROMAN MESSINA ARTURO	Revistas Indizadas	2014	<a href="#">A Dynamic Harmonic Regression Approach to Power System Modal Identification and Prediction</a>	ELECTRIC POWER COMPONENTS AND SYSTEMS	Armando Jiménez Zavala 2012-2015	
ROMAN MESSINA ARTURO	Revistas Indizadas	2015	<a href="#">A Dynamic Mode Decomposition Framework for Global Power System Oscillation Analysis</a>	IEEE TRANSACTIONS ON POWER SYSTEMS	Emilio Barocio Espejo 1999-2002	
ROMAN MESSINA ARTURO	Memorias de congresos	2013	<a href="#">A framework for decentralized design of system controllers using an extended relative gain approach</a>	2013 North American Symposium (NAPS)	Evaristo Noé Reyes Pérez 2009-2012 / Marco Antonio Pérez González 2011-2015	

Profesor	Tipo Artículo	Año	Nombre artículo	Publicado en	Estudiante	Graduado
ROMAN MESSINA ARTURO	Revistas Indizadas	2017	<a href="#">A semi-distributed energy-based framework for the analysis and visualization of power system disturbances</a>	ELECTRIC POWER SYSTEMS RESEARCH	José Iván Reyes Cabrera	2012-2016
ROMAN MESSINA ARTURO	Revistas Indizadas	2014	<a href="#">A Statistical Data-fusion-based Framework for Wide-area Oscillation Monitoring</a>	ELECTRIC POWER COMPONENTS AND SYSTEMS	Evaristo Noé Reyes Pérez	2009-2012 / Marco Antonio Pérez González 2011-2015 / Ismael Moreno Núñez 2010-2014
ROMAN MESSINA ARTURO	Revistas Indizadas	2014	<a href="#">A TIME-FREQUENCY DATA FUSION APPROACH TO POWER OSCILLATION MONITORING (ISSN:1532-5008)</a>	Electric Power Components and Systems	Evaristo Noé Reyes Pérez	2009-2012 / Marco Antonio Pérez González 2011-2015 / Ismael Moreno Núñez 2010-2014
ROMAN MESSINA ARTURO	Revistas Indizadas	2014	<a href="#">ADAPTIVE TRACKING OF SYSTEM OSCILLATORY MODES USING AN EXTENDED RLS ALGORITHM</a>	Electric Power Systems Research	Ismael Moreno Núñez	2010-2014
ROMAN MESSINA ARTURO	Revistas Indizadas	2014	<a href="#">Adaptive tracking of system oscillatory modes using an extended RLS algorithm</a>	ELECTRIC POWER SYSTEMS RESEARCH		
ROMAN MESSINA ARTURO	Revistas Indizadas	2017	<a href="#">An Observability-based Approach to Extract Spatiotemporal Patterns from Power System Koopman Mode Analysis</a>	ELECTRIC POWER COMPONENTS AND SYSTEMS	Marcos Alfredo Hernández Ortega	2014-2018
ROMAN MESSINA ARTURO	Revistas Indizadas	2013	<a href="#">AN OPTIMAL MODAL APPROXIMATION METHOD FOR MODEL REDUCTION OF LINEAR POWER SYSTEM MODELS</a>	International Journal of Electrical Power and Energy Systems		
ROMAN MESSINA ARTURO	Revistas Indizadas	2013	<a href="#">An optimal modal approximation method for model reduction of linear power system models</a>	INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS		
ROMAN MESSINA ARTURO	Memorias de congresos	2017	<a href="#">Assessment of the Mexican Interconnected Electric Power System Operation considering NonConventional Renewable Energies</a>	9th International Conference on Real Time Simulation	Rafael Castellanos Bustamante	2003-2006
ROMAN MESSINA ARTURO	Revistas Indizadas	2015	<a href="#">Blind extraction and characterization of power system oscillatory modes</a>	ELECTRIC POWER SYSTEMS RESEARCH	José de Jesús Nuño Ayón	2011-2015
ROMAN MESSINA ARTURO	Revistas Indizadas	2015	<a href="#">Design of wide-area damping controllers using the block relative gain</a>	ELECTRIC POWER SYSTEMS RESEARCH	Evaristo Noé Reyes Pérez	2009-2012 / Marco Antonio Pérez González 2011-

Profesor	Tipo Artículo	Año	Nombre artículo	Publicado en	Estudiante	Graduado
						2015
ROMAN MESSINA ARTURO	Revistas Indizadas	2016	<a href="#">Dimensionality Reduction in Transient Simulations: A Diffusion Maps Approach</a>	IEEE TRANSACTIONS ON POWER DELIVERY	Claudia Myriam Castro Arvizu	2015-2019
ROMAN MESSINA ARTURO	Memorias de congresos	2016	<a href="#">Dynamic harmonic regression approach to wind power generation forecasting</a>	2016 Transmission and Distribution Latin American Conference	Armando Jiménez Zavala	2012-2015
ROMAN MESSINA ARTURO	Memorias de congresos	2016	<a href="#">Extraction of spatiotemporal patterns from measured data via adaptive Laplacian eigenfunctions</a>	2016 Transmission and Distribution Latin American Conference	Claudia Myriam Castro Arvizu	2015-2019
ROMAN MESSINA ARTURO	Memorias de congresos	2016	<a href="#">Fourier-based accurate reduced-order model for linear power system applications</a>	2016 Transmission and Distribution Latin American Conference	Carlos Alberto Morales Rergis	2014-2018
ROMAN MESSINA ARTURO	Memorias de congresos	2017	<a href="#">Islanding detection based on nonparametric data reduction techniques and statistical quality control</a>	2017 IEEE PES General Meeting Conference Proceedings	Claudia Myriam Castro Arvizu	2015-2019
ROMAN MESSINA ARTURO	Memorias de congresos	2015	<a href="#">Koopman mode analysis of measured oscillations: An observability based approach</a>	2015 North American Symposium	Marcos Alfredo Hernández Ortega	2014-2018
ROMAN MESSINA ARTURO	Memorias de congresos	2016	<a href="#">Koopman mode analysis of very large datasets: Numerical experience</a>	2016 Transmission and Distribution Latin American Conference	Marcos Alfredo Hernández Ortega	2014-2018
ROMAN MESSINA ARTURO	Revistas Indizadas	2016	<a href="#">Maximum Penetration Level of Micro-Grids in Large-Scale Power Systems: Frequency Stability Viewpoint</a>	IEEE TRANSACTIONS ON POWER SYSTEMS		
ROMAN MESSINA ARTURO	Memorias de congresos	2015	<a href="#">Model order reduction using truncated modal balanced realization</a>	2015 North American Symposium	Carlos Alberto Morales Rergis	2014-2018
ROMAN MESSINA ARTURO	Memorias de congresos	2017	<a href="#">Monitoring harmonic distortion in microgrids using dynamic mode decomposition</a>	IEEE PES General Meeting	José Jorge Ramos Romo	2012-2016
ROMAN MESSINA ARTURO	Revistas Indizadas	2017	<a href="#">Order Reduction of Power Systems by Modal Truncated Balanced Realization</a>	ELECTRIC POWER COMPONENTS AND SYSTEMS	Carlos Alberto Morales Rergis	2014-2018
ROMAN MESSINA ARTURO	Memorias de congresos	2014	<a href="#">Sensor Placement and Optimal State Reconstruction from Wide-area Measurements</a>	2014 IEEE Transmission and Distribution Conference	Evaristo Noé Reyes Pérez Marco Antonio Pérez González	2009-2012 / 2011-2015

## 2. Capítulos Publicados

Profesor	Año	Nombre capítulo	Nombre del libro	Estudiante	Graduado
RAMIREZ ARREDONDO JOSE JUAN MANUEL	2015	<a href="#">ANALYSIS AND IMPLEMENTATION OF AN 84-PULSE STATCOM</a>	Static Compensators (STATCOMs) in Power Systems		
RAMIREZ ARREDONDO JOSE JUAN MANUEL	2015	<a href="#">STUDY OF STATCOM IN ABC FRAMEWORK</a>	Static Compensators (STATCOMs) in Power Systems		
ROMAN MESSINA ARTURO	2017	<a href="#">Large-scale Wind Generation Development in the Mexican Power Grid: Impact Studies</a>	Handbook of Distributed Generation Electric Power Technologies and Environmental Impacts	Claudia Myriam Castro Arvizu 2015-2019	

### 3. Notas periodísticas

Profesor	Nombre de la nota	Nombre del periódico	Nombre del autor	Estudiante	Graduado
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Unidad Académica de diseño, ciencia y tecnología y la Rama estudiantil de IEEE - Universidad Autónoma de Guadalajara.	Nacional			
RAMIREZ ARREDONDO JOSE JUAN MANUEL	panel "Docencia, Investigación y Ejercicio de la Profesión de Ingeniería Eléctrica," realizado en las instalaciones del Instituto Tecnológico de Hermosillo durante la Jornada Rama Soles IEEE 2010	Nacional			
RAMIREZ ARREDONDO JOSE JUAN MANUEL	La Universidad Politécnica de Tulancingo organiza el curso: Dispositivos FACTS en redes eléctricas, dirigido a su personal docente.	Nacional			
RAMIREZ ARREDONDO JOSE JUAN MANUEL	La Universidad de Quintana Roo y la División de Ciencias e Ingeniería organiza la conferencia: Aplicaciones de los Dispositivos FACTS en los sistemas eléctricos de potencia.	Nacional			
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Instalaciones del Instituto Tecnológico de Hermosillo durante la jornada Rama Soles IEEE 2010	Nacional			
RAMIREZ ARREDONDO JOSE JUAN MANUEL	<a href="http://conacytprensa.mx/index.php/sociedad/personajes/5186-doctor-juan-manuel-ramirez-arredondo-ingenieria-y-disciplina">http://conacytprensa.mx/index.php/sociedad/personajes/5186-doctor-juan-manuel-ramirez-arredondo-ingenieria-y-disciplina</a>	Nacional			
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Facultad de Ingeniería de la UMSNH junto con la Sección Centro Occidente de IEEE organiza conferencia.	Nacional			
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Centro Universitario de Ciencias Exactas e Ingenierías de la Universidad de Guadalajara organiza la Escuela de Verano de Potencia U de G 2014	Nacional			
RAMIREZ ARREDONDO JOSE JUAN MANUEL	Año internacional de la Luz y las tecnologías basadas en la luz. Vigésima segunda semana nacional de ciencia y tecnología.	Nacional			
RAMIREZ ARREDONDO JOSE JUAN MANUEL	80 asistentes	Nacional			
RAMIREZ ARREDONDO JOSE JUAN MANUEL	60 asistentes de todo el país	Nacional			



## 4. Desarrollo tecnológico

Profesor	Nombre del Desarrollo	Año publicación	Nombre del autor / coautor	Autor / Coautor	Estudiante
CAÑEDO CASTAÑEDA JOSE MANUEL	Modelado preciso de la distribución de la densidad de flujo, de las perdidas y de la temperatura en núcleos de transformadores trifásicos	0			
CAÑEDO CASTAÑEDA JOSE MANUEL	Modelo electromagnetico para el calculo preciso de la impedancia en transformadores	0			
CAÑEDO CASTAÑEDA JOSE MANUEL	SISTEMA DE ADQUISICION DE DATOS DE FENOMENOS ELECTROMECHANICOS EN LA RED ELECTRICA NACIONAL	0			
NAREDO VILLAGRAN JOSE LUIS ALEJANDRO	REPORT ON POWER LINE CARRIER COUPLING STUDIES FOR THE LINE EBNETCOM	0			
NAREDO VILLAGRAN JOSE LUIS ALEJANDRO	RTFD-LINE. MODELO DE LÍNEA AÉREA CASI SIMÉTRICA PARA SIMULACIÓN TIEMPO REAL DE TRANSITORIOS ELECTROMAGNÉTICOS EN REDES DE ENERGÍA ELÉCTRICA.	0			
NAREDO VILLAGRAN JOSE LUIS ALEJANDRO	RTWB: MODELO MATEMÁTICO DE LÍNEAS Y CABLES POLIFÁSICOS EN EL DOMINIO DE FASES PARA SIMULACIÓN TIEMPO REAL DE SISTEMAS DE POTENCIA.	0			
NAREDO VILLAGRAN JOSE LUIS ALEJANDRO	THE EFFECT OF REPLACING TRANSMISSION LINE SECTIONS BY UNDERGROUND CABLE ON PLC SYSTEMS AND ALTERNATIVES OF COMMUNICATION	0			
RAMIREZ ARREDONDO JOSE JUAN MANUEL	APLICACION DE TECNICAS COMPUTACIONALES MODERNAS PARA EL ESTUDIO DE FALLAS EN REDES ELECTRICAS INDUSTRIALES.	0			
RAMIREZ ARREDONDO JOSE JUAN MANUEL	COMPARACION DE DIFERENTES FORMULACIONES EN EL MODELADO DE GENERADORES SINCRONOS	0			
RAMIREZ ARREDONDO JOSE JUAN MANUEL	DETERMINACION DE PARAMETROS EN MAQUINAS SINCRONAS. METODOS STANDARD Y DE RESPUESTA A LA FRECUENCIA.	0			
RAMIREZ ARREDONDO JOSE JUAN MANUEL	DISEÑO E IMPLEMENTACION DE UNA TARJETA DE ADQUISICION DE DATOS PARA LA MEDICION DE LA VELOCIDAD ANGULAR INSTANTANEA DE MAQUINAS ELECTROMECHANICAS.	0			
RAMIREZ ARREDONDO JOSE JUAN MANUEL	EQUIVALENTES DINAMICOS PARA ESTUDIOS DE ESTABILIDAD TRANSITORIA EN EL SISTEMA INTERCONECTADO DE CFE	0			
RAMIREZ ARREDONDO JOSE JUAN MANUEL	ESTIMACION DE ESTADO EN SISTEMAS DE POTENCIA.	0			
RAMIREZ ARREDONDO JOSE JUAN MANUEL	EVALUACION DE METODOLOGIAS PARA LA ESTIMACION RAPIDA DE MARGENES DE ESTABILIDAD	0			
RAMIREZ ARREDONDO JOSE JUAN MANUEL	METODOLOGIAS PARA LA OBTENCION DE EQUIVALENTES DINAMICOS.	0			
RAMIREZ ARREDONDO JOSE JUAN MANUEL	MODELOS DE ORDEN REDUCIDO EN SISTEMAS ELECTRICOS DE POTENCIA.	0			
RAMIREZ ARREDONDO JOSE JUAN MANUEL	PRINCIPIOS FUNDAMENTALES DEL EMPLEO DE RESTAURADORES EN SISTEMAS ELECTRICOS DE DISTRIBUCION.	0			
RAMIREZ ARREDONDO JOSE JUAN MANUEL	PROCEDIMIENTO PARA LA ESPECIFICACION DE PARAMETROS DE GENERADORES SINCRONOS, SISTEMAS DE CONTROL AUTOMATICO Y PROTECCIONES.	0			
RAMIREZ ARREDONDO JOSE	RESULTADOS DE LOS ESTUDIOS DE ESTABILIDAD DEL SISTEMA MEXICO	0			

Profesor	Nombre del Desarrollo	Año publicación	Nombre del autor / coautor	Autor / Coautor	Estudiante
JUAN MANUEL	(CFE) BELICE (BEL).				
RAMIREZ ARREDONDO JOSE JUAN MANUEL	RESULTADOS DE PRUEBAS EXPERIMENTALES PARA LA DETERMINACION DE PARAMETROS EN MAQUINAS SINCRONAS.	0			
RAMIREZ ARREDONDO JOSE JUAN MANUEL	SISTEMAS DE DISTRIBUCION	0			
RAMIREZ ARREDONDO JOSE JUAN MANUEL	SISTEMAS LINEALES	0			
RAMIREZ ARREDONDO JOSE JUAN MANUEL	SWITCH ELECTRÓNICO DE ALTA CORRIENTE	0			
RAMIREZ ARREDONDO JOSE JUAN MANUEL	SWITCH ELECTRÓNICO DE ALTA CORRIENTE PARA TRANSFORMADORES DE DISTRIBUCION	0			
ROMAN MESSINA ARTURO	APPLICATION OF ENERGY AND POWER APPROACHES TO THE INTERAREA OSCILLATION PROBLEM	0			
ROMAN MESSINA ARTURO	RESULTADOS DEL ESTUDIO DE ESTABILIDAD ANTE PEQUEÑAS PERTURBACIONES DE LA INTERCONEXION ENTRE LOS SISTEMAS DE COMISION FEDERAL DE ELECTRICIDAD DE MEXICO (CFE) Y BELIZE ELECTRICITY LIMITED (BEL) DE BELICE	0			
ROMAN MESSINA ARTURO	SSSP A COMPUTER PROGRAM FOR SMALL SIGNAL STABILITY ANALYSIS	0			

## 5. Libros

Profesor	Número de ISBN	Nombre del libro	Año de publicación	Estudiante	Graduado
ROMAN MESSINA ARTURO	978-1-84919-853-0	<a href="#">Wide Area Monitoring of Interconnected Power Systems</a>	2015		

## 6. Patentes

Profesor	Año	Nombre de la patente	Tipo de Patente	Identificador patente	País	Estudiante	Graduado
RAMIREZ ARREDONDO JOSE JUAN MANUEL	2017	SISTEMA DE MONITOREO DE OSCILACIONES ELECTROMECANICAS Y METODO DE MONITOREO	Patentes y modelos de utilidad	MX/a/2015/017396	México		

## 8. Participación de congresos

Profesor	Año	Nombre del trabajo	Presentado o publicado en	País	Estudiante
MORENO VILLOBOS PABLO	2013	<a href="#">A Practical Formulation of the Image Rule for Electromagnetic Spherical Wave Sources Above a PEC or PMC Plane Interface</a>	IEEE International Symposium on Antennas and Propagation and USNC-URSI	UNITED STATES OF AMERICA	José Rodrigo Camacho Pérez 2007-2010
MORENO VILLOBOS PABLO	2013	<a href="#">A Simple Procedure to Synthesize Input and Output Matching Networks with Short Stub for Class F-1 PAs</a>	IEEE 56th International Midwest Symposium on Circuits and Systems	UNITED STATES OF AMERICA	
MORENO VILLOBOS PABLO	2013	<a href="#">On the Inclusion of Nonlinear Conditions in Numerical Laplace Transform Analysis</a>	IPST	CANADA	Cipriano Villanueva Pardo - 2016
MORENO VILLOBOS PABLO	2013	<a href="#">Time-domain distributed-parameter modeling of transformer windings for fast front transients</a>	IPST	CANADA	
MORENO VILLOBOS PABLO	2013	Una Nueva Solución de las Integrales de Carson Mediante Series de Potencia	Congreso Internacional de Alta Tensión y Aislamiento Eléctrico	CUBA	
MORENO VILLOBOS PABLO	2014	<a href="#">Frequency domain simulation of fault transients in transmission lines including measurement transformers</a>	North American Power Symposium	UNITED STATES	Julian Sotelo Castañon - 2016
MORENO VILLOBOS PABLO	2014	LIM Real Time Transients Simulation on FPGA	JORNADA DE COMPUTACIÓN RECONFIGURABLE Y APLICACIONES	SPAIN	
MORENO VILLOBOS PABLO	2014	<a href="#">Microwaves Research Collaboration Between Cinvestav-GDL and CICESE, Two Research Centers in Mexico</a>	International Microwave Symposium IEEE MTT-S	UNITED STATES	
MORENO VILLOBOS PABLO	2015	<a href="#">A New Model for Non-uniform Transmission Lines</a>	International Conference on Electrical Engineering, Computing Science and Automatic Control	MEXICO	
MORENO VILLOBOS PABLO	2015	<a href="#">Experimental Study of the Capabilities of the Real-Valued NARX Neural Network for Behavioral Modeling of Multi-Standard RF Power Amplifier</a>	International Microwave Symposium-IEEE MTT-S	UNITED STATES	Lina Maria Aguilar Lobo - 2015
RAMIREZ ARREDONDO JOSE JUAN MANUEL	2013	<a href="#">A JOINT APPLICATION OF A GENETIC ALGORITHM PLUS THE MINIMAL SPANNING TREE FOR OPTIMIZING ELECTRICAL ENERGY SYSTEMS</a>	North American Power Symposium IEEE ¿PES NAPS 2013	UNITED STATES	Diana Paola Montoya Escobar 2012-2016
RAMIREZ ARREDONDO JOSE JUAN MANUEL	2013	<a href="#">A NOVEL MULTI-OBJECTIVE OPTIMIZER TO HANDLE REACTIVE POWER</a>	IEEE Powertech 2013	FRANCE	Miguel Alfonso de Jesús Medina López 2010-2014
RAMIREZ ARREDONDO JOSE JUAN MANUEL	2013	<a href="#">A PULSE WIDTH MODULATED AC LINK DYNAMIC VOLTAGE RESTORER</a>	IEEE Sección México, XV Reunión de Otoño de Potencia, Electrónica, y Computación, ROPEC 2013	MEXICO	
RAMIREZ ARREDONDO JOSE JUAN MANUEL	2013	<a href="#">ADAPTIVE CONTROLLER FOR PMSG WIND TURBINE SYSTEMS WITH BACK-TO-BACK PWM CONVERTERS</a>	IEEE International Joint Conference on Neural Networks	UNITED STATES	
RAMIREZ ARREDONDO JOSE JUAN MANUEL	2013	DESIGN AND IMPLEMENTATION OF BATTERY MANAGEMENT SYSTEM BY ESTIMATING THE SOC AND SOH ONLINE	IEEE Powertech 2013	FRANCE	
RAMIREZ ARREDONDO JOSE JUAN MANUEL	2013	<a href="#">DISTRIBUTION SYSTEMS EQUIPPED WITH POWER ELECTRONIC TRANSFORMERS</a>	IEEE Powertech 2013	FRANCE	Johnny Posada Contreras 2010-2013
RAMIREZ ARREDONDO JOSE	2013	<a href="#">REAL TIME CONTROL OF AIR FEED SYSTEM IN A PEM FUEL CELL BY MEANS OF AN ADAPTIVE NEURAL-</a>	XIII Congreso Internacional de la Sociedad Mexicana del Hidrógeno, ISBN 978-607-	MEXICO	

Profesor	Año	Nombre del trabajo	Presentado o publicado en	País	Estudiante
JUAN MANUEL RAMIREZ		<a href="#">NETWORK</a>	95325-2-9		
ARREDONDO JOSE JUAN MANUEL	2013	<a href="#">STATISTICAL ESTIMATION OF POWER SYSTEM VULNERABILITY</a>	North American Power Symposium IEEE ¿PES NAPS 2013	UNITED STATES	
ARREDONDO JOSE JUAN MANUEL	2014	<a href="#">A JOINT OPTIMIZATION SOLUTION FOR RECONFIGURATION, CAPACITOR, AND DG ALLOCATION IN DISTRIBUTION SYSTEMS</a>	Proceedings of the IEEE 2014 PES Transmission and Distribution Conference and Exposition, Sept 2014, Medellín, Colombia.	COLOMBIA	Diana Paola Montoya Escobar 2012-2016
ARREDONDO JOSE JUAN MANUEL	2014	EVALUATION OF A HYBRID METHOD FOR FORECASTING PHOTOVOLTAIC ENERGY AVAILABILITY IN BUILDING INTEGRATED PHOTOVOLTAIC SYSTEM WITH ENERGY STORAGE	4th International solar workshop, 11-13 Nov 2014, Berlin, Ge.	GERMANY	
ARREDONDO JOSE JUAN MANUEL	2014	<a href="#">FAULT DETECTION AND CLASSIFICATION IN TRANSMISSION LINE USING THE EUCLIDIAN NORM OF THE TOTAL WSE</a>	Proceedings of the IEEE 2014 PES Transmission and Distribution Conference and Exposition, Sept 2014, Medellín, Col	COLOMBIA	Alejandro Zamora Méndez 2012-2016 / Mario Roberto Arrieta Paternina 2014-2017
ARREDONDO JOSE JUAN MANUEL	2014	<a href="#">IMPEDANCE ESTIMATION THROUGH THE TAYLOR-KALMAN-FOURIER FILTER APPLIED TO DISTANCE RELAYS</a>	Proceedings of the IEEE 2014 PES Transmission and Distribution Conference and Exposition, Sept 2014, Medellín, Colombia	COLOMBIA	Alejandro Zamora Méndez 2012-2016 / Mario Roberto Arrieta Paternina 2014-2017
ARREDONDO JOSE JUAN MANUEL	2014	<a href="#">MULTI-OBJECTIVE OPTIMIZATION FOR RECONFIGURATION AND CAPACITOR ALLOCATION IN DISTRIBUTION SYSTEMS</a>	Proceedings of the IEEE 2014 North American Power Symposium	UNITED STATES	Diana Paola Montoya Escobar - 2016
ARREDONDO JOSE JUAN MANUEL	2015	<a href="#">An Alternative Method for Multiarea State Estimation Based on OCD</a>	Proceedings of the IEEE 2015 PES General Meeting, July 2015, Denver, CO., USA.	UNITED STATES OF AMERICA	Xiomara González Ramírez 2011-2014
ARREDONDO JOSE JUAN MANUEL	2015	<a href="#">An effective method for impedance estimation in distance relay based on DC offset removal</a>	.¿ Proceedings of the IEEE 2015 PES General Meeting, July 2015, Denver, CO., USA	MEXICO	Alejandro Zamora Méndez 2012-2016 / Mario Roberto Arrieta Paternina 2014-2017
ARREDONDO JOSE JUAN MANUEL	2015	<a href="#">Inertial Frequency Response Estimation in a Power System with High Wind Energy Penetration</a>	Proceedings of the IEEE POWERTECH EINDHOVEN 2015, July 2015, Eindhoven, The Netherlands.	NETHERLANDS	
ARREDONDO JOSE JUAN MANUEL	2015	<a href="#">Phasor estimation under transient conditions</a>	Proceedings of the IEEE POWERTECH EINDHOVEN 2015, July 2015, Eindhoven, The Netherlands.	NETHERLANDS	Mario Roberto Arrieta Paternina 2014-2017
ARREDONDO JOSE JUAN MANUEL	2016	<a href="#">Main motor controllers and regenerative braking of an electric vehicle</a>	2016 IEEE PES Transmission and Distribution Latin American Conference & Exhibition, IEEE -PES TDLA 2016, September 21-24, 2016. Morelia, Mich. México.	MÉXICO	
ARREDONDO JOSE JUAN MANUEL	2016	Máquina Axial con Controlador SevconTM : Puesta en Marcha	Simposio Nacional de Vehículos Eléctricos SIMNAVE 2016. 14-15 de Abril de 2016, CIAC-UMSNH, Morelia, Mich., MÉXICO.	MÉXICO	
ARREDONDO JOSE JUAN MANUEL	2016	<a href="#">Model order reduction of large scale power system by modal decomposition</a>	2016 IEEE PES General Meeting, July 17 ¿ 21, 2016, Boston, MA, USA.	UNITED STATES OF AMERICA	Alejandro Zamora Méndez 2012-2016 / Mario Roberto Arrieta Paternina 2014-2017
ARREDONDO JOSE JUAN MANUEL	2016	<a href="#">Novel Approaches for Multi-Channel Ringdown Analysis Using Digital Filters</a>	2016 IEEE PES Transmission and Distribution Latin American Conference & Exhibition, IEEE -PES TDLA 2016, September 21-24, 2016.	MÉXICO	Alejandro Zamora Méndez 2012-2016 / Mario Roberto Arrieta Paternina 2014-2017

Profesor	Año	Nombre del trabajo	Presentado o publicado en	País	Estudiante
RAMIREZ ARREDONDO JOSE JUAN MANUEL	2016	SISTEMA DE ALMACENAMIENTO HÍBRIDO PARA UN VEHÍCULO ELÉCTRICO	Morelia, Mich. México. Simposio Nacional de Vehículos Eléctricos SIMNAVE 2016. 14-15 de Abril de 2016, CIAC-UMSNH, Morelia, Mich., MÉXICO.	MÉXICO	
RAMIREZ ARREDONDO JOSE JUAN MANUEL	2016	Sistema de Propulsión del Vehículo Eléctrico	Simposio Nacional de Vehículos Eléctricos SIMNAVE 2016. 14-15 de Abril de 2016, CIAC-UMSNH, Morelia, Mich., MÉXICO.	MÉXICO	
RAMIREZ ARREDONDO JOSE JUAN MANUEL	2016	<a href="#">Unblocking Function of Distance Relay during Power Swing Based on Modal Analysis</a>	2016 IEEE PES Transmission and Distribution Latin American Conference & Exhibition, IEEE -PES TDLA 2016, September 21-24, 2016. Morelia, Mich. México.	MÉXICO	Alejandro Zamora Méndez 2012-2016 / Mario Roberto Arrieta Paternina 2014-2017
RAMIREZ ARREDONDO JOSE JUAN MANUEL	2017	<a href="#">Details and implementation of a SiC-based solid state transformer prototype</a>	Proceedings of the 2017 IEEE PES Innovative Smart Grid Technologies Conference - Latin America (ISGT Latin America). Quito, Ecuador, Sept. 2017.	ECUADOR	Joel Salome Baylon - 2017
RAMIREZ ARREDONDO JOSE JUAN MANUEL	2017	<a href="#">Dual-sliding-mode observer for SOC estimations</a>	3rd IEEE Annual Southern Hemisphere Power Electronics Conference	CHILE	Joel Salome Baylon - 2017
RAMIREZ ARREDONDO JOSE JUAN MANUEL	2017	<a href="#">Identification of Power System Oscillations by a Decentralized Methodology</a>	Proceedings of the 2017 IEEE PES Innovative Smart Grid Technologies Conference - Latin America (ISGT Latin America). Quito, Ecuador, Sept. 2017.	ECUADOR	Alejandro Zamora Méndez 2012-2016 / Mario Roberto Arrieta Paternina 2014-2017
RAMIREZ ARREDONDO JOSE JUAN MANUEL	2017	<a href="#">Model order reduction by a statistical metric</a>	Proceedings of the 2017 IEEE PES Innovative Smart Grid Technologies Conference - Latin America (ISGT Latin America). Quito, Ecuador, Sept. 2017.	ECUADOR	
RAMIREZ ARREDONDO JOSE JUAN MANUEL	2017	<a href="#">Paralleling a Synchronverter and a PWM-based Converter for Supplying a Microgrid</a>	Proceedings of the 2017 IEEE PES Innovative Smart Grid Technologies Conference - Latin America (ISGT Latin America). Quito, Ecuador, Sept. 2017.	ECUADOR	
RAMIREZ ARREDONDO JOSE JUAN MANUEL	2017	<a href="#">Proceedings IEEE Powertech 2017, June 18-22, Manchester, UK.</a>	Power System Coherency based on Modal Characteristics and Hierarchical Agglomerative Clustering	UNITED KINGDOM	
RAMIREZ VAZQUEZ AMNER ISRAEL	2013	<a href="#">ON THE INCLUSION OF NONLINEAR CONDITIONS IN NUMERICAL LAPLACE TRANSFORM ANALYSIS</a>	International Power Systems Transients 2013	CANADA	
RAMIREZ VAZQUEZ AMNER ISRAEL	2014	<a href="#">FREQUENCY DOMAIN TECHNIQUES FOR MODELING DISCRETE SWITCHING EVENTS: EMT ANALYSIS</a>	IEEE PES General Meeting 2014	UNITED STATES	
RAMIREZ VAZQUEZ AMNER ISRAEL	2014	<a href="#">REDUCED-ORDER STATE-SPACE SYSTEMS IN THE DYNAMIC HARMONIC DOMAIN</a>	International Conference on Harmonics and Quality of Power 2014	RUMANIA	
RAMIREZ VAZQUEZ AMNER ISRAEL	2015	<a href="#">HARMONIC DOMAIN MODEL OF A WIND POWER GENERATOR FOR STEADY-STATE ANALYSIS</a>	North American Power Symposium 2015	MEXICO	Uriel Vargas Gazcón 2015-2019
RAMIREZ VAZQUEZ AMNER ISRAEL	2015	<a href="#">SVD-BASED REDUCED-ORDER RATIONAL APPROXIMATION ON SPECIFIC FREQUENCY BANDWIDTH</a>	North American Power Symposium 2015	MEXICO	Edgar Yitzhak Medina Lara 2016-2019
RAMIREZ VAZQUEZ AMNER ISRAEL	2016	<a href="#">Computation of stationary state of grid-tied photovoltaic systems via harmonic domain</a>	International Conference on Harmonics and Quality of Power, ICHQP-2016	BRAZIL	
RAMIREZ VAZQUEZ	2016	<a href="#">Efficient harmonic-based simulation of switched</a>	North American Power Symposium, NAPS-	UNITED STATES OF	

Profesor	Año	Nombre del trabajo	Presentado o publicado en	País	Estudiante
AMNER ISRAEL		<a href="#">networks linked to nonlinear circuits</a>	2016	AMERICA	
RAMIREZ VAZQUEZ AMNER ISRAEL	2016	<a href="#">Reduced-order extended harmonic domain modeling of switched networks</a>	International Conference on Harmonics and Quality of Power, ICHQP-2016	BRAZIL	
RAMIREZ VAZQUEZ AMNER ISRAEL	2016	<a href="#">Sample-reduced frequency-domain approach for transient and steady-state computation of switched networks</a>	North American Power Symposium, NAPS-2016	UNITED STATES OF AMERICA	
RAMIREZ VAZQUEZ AMNER ISRAEL	2016	<a href="#">SVD-based Reduced-Order Rational Approximation for EMT Analysis</a>	IEEE Electrical Power and Energy Conference, EPEC-2016	CANADA	Edgar Yitzhak Medina Lara 2016-2019
RAMIREZ VAZQUEZ AMNER ISRAEL	2017	<a href="#">Equivalent signal theory for frequency domain modeling of linear time-periodic systems: PWM application</a>	International Conference on Power Systems (IPST-2017)	KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF	
RAMIREZ VAZQUEZ AMNER ISRAEL	2017	<a href="#">Flexible harmonic domain model of a photovoltaic system for steady-state analysis</a>	International Conference on Energy and Environment (CIEM-2017)	ROMANIA	Uriel Vargas Gazcón 2015-2019
RAMIREZ VAZQUEZ AMNER ISRAEL	2017	<a href="#">Measurement-based characterization of residential lighting devices: CFL and LED</a>	North American Power Symposium, NAPS-2017	UNITED STATES OF AMERICA	
ROMAN MESSINA ARTURO	2013	<a href="#">A FRAMEWORK FOR DECENTRALIZED DESIGN OF SYSTEM CONTROLLERS USING AN EXTENDED RELATIVE GAIN APPROACH</a>	North American Power Symposium (NAPS) 2013	UNITED STATES	Evaristo Noé Reyes Pérez 2009-2012 / Marco Antonio Pérez González 2011-2015
ROMAN MESSINA ARTURO	2013	<a href="#">ASSESSING ROBUST STABILITY OF POWER SYSTEMS USING THE COMPLEX AND MIXED SSV</a>	IATED International Symposium on Power and Energy	UNITED STATES	Evaristo Noé Reyes Pérez 2009-2012 / Marco Antonio Pérez González 2011-2015
ROMAN MESSINA ARTURO	2013	<a href="#">Identification of Electromechanical Modes in Power Systems: A Nonlinear and Non-stationary Perspective</a>	2013 IEEE General Meeting	UNITED STATES OF AMERICA	
ROMAN MESSINA ARTURO	2014	<a href="#">Order Reduction of Linear Power System Models using a Frequency-domain POD</a>	2014 IEEE PES General Meeting	UNITED STATES OF AMERICA	
ROMAN MESSINA ARTURO	2014	<a href="#">SENSOR PLACEMENT AND OPTIMAL STATE RECONSTRUCTION FROM WIDE-AREA MEASUREMENTS</a>	IEEE T&D Latin America 2014	COLOMBIA	Evaristo Noé Reyes Pérez 2009-2012 / Marco Antonio Pérez González 2011-2015 / Ismael Moreno Núñez 2010-2014
ROMAN MESSINA ARTURO	2015	<a href="#">MODEL-ORDER REDUCTION USING TRUNCATED MODAL BALANCED REALIZATION</a>	47th North American Power Symposium	UNITED STATES	
ROMAN MESSINA ARTURO	2016	<a href="#">Dynamic Harmonic Regression Approach to Wind Power Generation Forecasting</a>	2016 Transmission and Distribution Conference	MEXICO	
ROMAN MESSINA ARTURO	2016	<a href="#">Extraction of Spatiotemporal Patterns from Measured Data via Adaptive Laplacian Eigenfunctions</a>	2016 Transmission and Distribution Conference	MEXICO	Claudia Myriam Castro Arvizu 2015-2019
ROMAN MESSINA ARTURO	2016	<a href="#">Fourier-Based Accurate Reduced-Order Model for Linear Power Systems Applications</a>	2016 Transmission and Distribution Conference	MEXICO	
ROMAN MESSINA ARTURO	2016	<a href="#">Koopman Mode Analysis of very Large Datasets: Numerical Experience</a>	2016 Transmission and Distribution Conference	MEXICO	Marcos Alfredo Hernández Ortega 2014-2018
ROMAN MESSINA ARTURO	2017	<a href="#">Islanding Detection based on Nonparametric Data Reduction Techniques and Statistical Quality Control</a>	2017 IEEE PES General Meeting	UNITED STATES OF AMERICA	Claudia Myriam Castro Arvizu 2015-2019
ROMAN MESSINA ARTURO	2017	<a href="#">Monitoring Harmonic Distortion in Microgrids using Dynamic Mode Decomposition</a>	2017 IEEE PES General Meeting	UNITED STATES OF AMERICA	