

Name	Degree	Date	Thesis TR#	Thesis Title
Allemong, John	Ph.D.	1978	78-1	
Hipple, Marty	MS	1978	78-2	
Zabinski, Gary	MS	1979	79-1	
Balazs, Ron	MS	1979	79-2	
Krein, Phil	MS	1979	79-3	
Alunkal, Isaac	MS	1979	79-4	
Hoveida, Bahman	MS	1980	80-2	“Constrained stochastic power flow analysis”
Ahmed-Zaid, Said	MS	1980	80-3	“Optimal load flows using linear programming”
Kay, Tom	MS	1980	80-4	“Maximum loadability of transmission lines with and without voltage or var control”
Holmgren, Bob	MS	1980	80-5	“Black start utilization of remote combustion turbines”
Stiegmeier, Craig	MS	1980	80-6	
Brunhart, Andy	MS	1980	80-7	
French, Dan	MS	1981	81-2	“Simulation of induction motor performance during line current hold-off power factor control”
Jamshidian, Farhad	MS	1981	81-3	
Sweet, Tom	MS	1981	81-4	
Welte, Greg	MS	1981	81-5	
Kervin, Doug	MS	1981	81-6	
Nealon, Mark	MS	1982	82-2	“Steady-state and dynamic stability characteristics of power system voltage collapse”

Krull, Eric	MS	1982	82-3	“Generation expansion planning using multi-attribute utility theory and dynamic programming”
Krein, Phil	MS	1982	82-4	“Nonideal effects in electrostatic induction motors”
Stevens, Bob	Ph.D.	1982	82-5	
Behera, Anup	MS	1982	82-6	
Sluis, Karl	MS	1982	83-7	“Automatic contingency selection algorithm using tier system analysis”
Christiansen, John	MS	1983	83-4	“Linear active circuit models for power system analysis”
LaGees, Dale	MS	1983	83-5	“First-order corrections to network transients using singular perturbations”
Demaree, Kendall	MS	1983	83-6	“Fast energy method for transient stability assessment and maximum loading of electric power systems”
Ahmed-Zaid, Said	Ph.D.	1984	83-8	“Multi-time scale modeling and aggregation of higher order synchronous machine models”
Luedtke, Frank	MS	1983	83-9	
Wegner, Carl	MS	1983	83-10	
Kendrick, Regina	MS	1983	83-11	
Cockfield, Doug	MS	1983	83-12	
Baranek, Mark	MS	1984	84-2	“A closed form energy function for fast transient stability analysis of electric power systems”
Clanin, Tom	MS	1984	84-3	“Digital static pressure control of a variable air volume heating”
Schultz, Dave	MS	1984	84-4	
Khorasani, Kash	Ph.D.	1985	85-2	“Stability and control of nonlinear singularly perturbed systems with applications to power systems and flexible manipulators”

Martina, Mark	MS	1985	85-3	“Torque-angle loop analysis of power systems with an improved machine model”
Rajagopalan, Chithra	MS	1985	85-4	“Dynamics of voltage collapse”
Varghese, Abe	MS	1985	85-5	“Dynamic performance of synchronous machines with underexcitation limiters”
Hrdina, Darryl	MS	1985	85-6	
Maness, Rick	MS	1985	87-6	“Region of attraction of higher order synchronous machine models”
Vens, Jim	MS	1986	86-2	
Fong, Mak	MS	1986	86-3	
Crow, Mariesa	MS	1986	86-4	
Dobraca, Fadil	MS	1986	86-5	
Wright, Graham	MS	1987	87-3	
Brown, Ron	MS	1987	87-4	“Coherency identification in power systems”
Lavin, Rick	MS	1987	87-5	“An investigation of the relationship between the power system load flow Jacobian and the dynamic state matrix”
Othman, Hisham	Ph.D.	1988	87-2	“Decoupled stability analysis of power systems with slow and fast dynamics”
Behera, Anup	Ph.D.	1988	88-2	“Transient stability analysis of multimachine power systems using detailed machine models”
Christensen, John	Ph.D.	1988	88-3	“Secondary voltage control using partial information structures”
Taylor, Dave	Ph.D.	1988	88-4	“Feedback control of uncertain nonlinear systems with applications to electric machinery and robotic manipulators”
Calero, Fernando	MS	1988	88-5	“Electrohydrostatics of a liquid meniscus”

Farquhar, Tim	MS	1988	88-6	“Analysis and experimental testing of a closed loop motion micro-controller”
Lesieutre, Bernie	MS	1988	88-7	“Reduced order dynamic modeling of a synchronous machine with detailed rotor representations”
Kral, John	MS	1988	88-8	“Integration of hall-effect sensors into the control feedback system for locomotives”
Rayes, Ammar	MS	1988	88-9	
Shanahan, Patrick	MS	1988	88-10	
Rajagopalan, Chithra	Ph.D.	1989	89-2	“Dynamics of power systems at critical load levels”
O'Grady, Mike	MS	1989	89-3	“Analysis of voltage collapse in power systems”
Keel, Brian	MS	1989	89-4	“A comparative study of direct methods of stability analysis in power systems”
Weber, Tom	MS	1989	89-5	“Electromechanics of the Meissner effect”
Junta, Don	MS	1989	89-6	“Linearized stability analysis of single and multimachine power systems”
Crow, Mariesa	Ph.D.	1990	90-2	“Waveform relaxation methods for the simulation of systems of differential/algebraic equations with applications to electric power systems”
Dobraca, Fadil	Ph.D.	1990	90-3	“A new approach to the dynamic security assessment of power systems including relay performance”
Drennan, Erika	MS	1990	90-4	“Reduced-order dynamic modeling of induction machines”
Evans, Bob	MS	1990	90-5	“Maximum power system loadability”
Kulkarni, Ajit	MS	1990	90-6	“High speed dynamic simulation of power systems”
Fong, Mak	Ph.D.	1990	90-7	
Morling, Scott	MS	1990	90-8	

Sterling, Jennifer	MS	1990	90-9	“High speed dynamic simulation of power systems”
Wingate, Kevin	MS	1990	90-10	“Synchronous machine dynamic modeling with saturation”
Bass, Dick	Ph.D.	1990	91-2	“Large-signal tools for power electronics: state-space analysis and averaging theory”
Baphna, Rajiv	MS	1991	91-3	“A microprocessor-based switching power converter test bed”
Maase, Hannon	MS	1991	91-4	“Modeling and computer simulation of bus transfer for induction motors”
Loh, Yoon-Kian	MS	1991	91-5	“Feedback linearization of the induction machine”
McCann, Roy	MS	1991	91-6	“Modeling and simulation of induction machine switching transients”
Varghese, Abe	Ph.D.	1991	91-7	“Modeling of power system dynamics in the medium time scale”
DiSilvestro, Francisco	MS	1992	92-2	“Comparative analysis and simulation of scalar and vector control methods for induction motor drives”
Savignon, Dan	MS	1992	92-5	“Voltage/real power sensitivities”
Ranjan, Rajeev	MS	1992	92-6	“Parametric approach to steady-state stability analysis of power systems”
Lateef, Rezwan	MS	1992	92-7	“Toward a unified energy function approach in the assessment of power system stability”
Ellerthorpe, Scott	MS	1992	92-8	
Lesieutre, Bernie	Ph.D.	1993	93-2	“Network and load modeling for power system dynamic analysis”
Kim, Michael	MS	1993	93-3	“Power harmonic effects on passive filter networks”
Brown, Doug	MS	1993	93-5	“Transient stability enhancement in power systems using flexible ac transmission system devices”
Wright, Graham	Ph.D.	1993	93-6	“On the electrohydrodynamics of drop extraction from a conductive liquid meniscus”

Recker, Darrel	Ph.D.	1993	93-7	“Adaptive control of systems containing piecewise linear nonlinearities”
Cullum, Dave	MS	1994	94-2	“Use of energy methods to approximate maximum power system loadability”
Laufenberg, Mark	MS	1993	94-3	“Dynamic security assessment in power systems using transient energy functions”
Ekambaran, Uma	MS	1994	94-5	“Distributed low-voltage power converters”
Morris, David	MS	1994	94-6	“Analysis of low frequency oscillations in power systems”
Locker, Jonathan	MS	1995	95-2	“An experimental comparison of induction motor control methods”
Roethemeyer, Tim	MS	1995	95-3	“System operation and control of a serial hybrid electric vehicle”
Truax, Byron	MS	1995	95-4	“A mechanical load emulator for development and performance evaluation of control methods for induction machine drives”
Midya, Pallab	Ph.D.	1995	95-5	“Nonlinear control and operation of dc to dc switching power converters”
Finlay, David	MS	1995	95-6	“Optimal bidding strategies in competitive electric power pools”
Klump, Ray	MS	1995	95-7	“Effective calculation of low-voltage solutions using the Newton-Raphson load flow”
Munzert, Rudiger	MS	1995	95-8	“Boundary control, applied to dc-to-dc converter circuits”
Guziec, Philip	MS	1995	95-9	“Intake tuning, ethanol conversion, and emissions analysis of a 620 cc four stroke v-twin engine”
Ransick, Michael	MS	1995	95-10	“Phasor representation in power system dynamic modeling”
Marzinzik, Caroline	MS	1996	96-2	“A linear programming method for removing thermal line overloads affecting transmission capacity”
Reppa, Robert	MS	1996	96-3	“A maximum power point tracker for photovoltaic applications”
Beck, Dan	MS	1996	96-4	“ Validity of simulations of various switch mode power supply topologies”

Tombuloglu, Burak	MS	1996	96-5	“Power system oasis performance analysis”
Kimball, Jonathan	MS	1996	96-6	“Application of onlinear control techniques in low voltage dc-dc converters”
Kulkarni, Ajit	Ph.D.	1996	96-7	“High speed dynamic simulation of power systems”
Chavez, Carlos	MS	1996	96-8	“Implementation of a multi-port fuel injection system and stoichiometry in a small v-twin engine”
Weber, James Daniel	MS	1997	96-9	“Implementation of a Newton-based optimal power flow into a power system simulation environment”
Splater, Scott	MS	1996	96-10	“Power consumption analysis of a practical series hybrid electric vehicle”
Pascual, Cesar	MS	1996	96-11	“Switched capacitor system for automatic series battery equalization”
Paritz, Larry	MS	1997	96-12	“Load sharing control of parallel variable speed induction motor drives using output inductors”
Lennox III, Edwin Cornell	MS	1996	96-13	“Distribution system power quality and scr-actuated source transfer”
Laufenberg, Mark	Ph.D.	1997	97-2	“Dynamic sensitivity functions and the stability of power systems with facts controllers”
Tian, Yong	MS	1997	97-3	“OASIS/NET: An oasis simulator”
Hossain, Izzat	MS	1997	97-5	“Stability study of the power system using multimachine dynamic simulation”
Khutoryansky, Eugene	MS	1997	97-7	“Robust stability analysis of power systems using a generalization of Kharitonov's theorem”
Haidacher, Steffen	MS	1997	97-8	“Dynamic modeling and system control of a hybrid electric vehicle”
Logue, Dan	MS	1997	97-9	“Hybrid Vehicle Simulation”
Amaya, Luis	Ph.D.	1998	98-2	“Computer Synthesis of Switching Power Converters”
Chaniotis, Dimitrios	MS	1998	98-3	“Application of a Modified GMRES Algorithm for Power Flow Analysis and Voltage Security Calculations”

Dalton, Andrew	MS	1998	98-4	“Engine Simulation Control of an Induction Motor”
Muyshondt, Richard	Ph.D.	1998	98-5	“Practical Implementation of Boundary Control for DC-DC Power Conversion”
Beatty, Shekita	MS	1998	98-7	"Rotor Time Constraint Identification Using Field-Oriented Vector Control"
Patten Kollin	MS	1999	99-2	“Evaluating Market Power in Congested Power Systems”
Lin, Yan	MS	1999	99-3	“Evaluation of Dispersed Generation Options in Transmission-Constrained Load Pockets of An Interconnected System”
Nguyen, Trong	MS	1999	99-4	"Application of Trajectory Sensitivities for Dynamic Security Assessment in Power Systems"
Grijalva, Santiago	MS	1999	99-5	"Reactive Power Considerations in Linear Available Transfer Capability"
Weber, James Daniel	Ph.D.	1999	99-6	"Individual Welfare Maximization in Electricity Markets Including Consumer and Full Transmission System Modeling"
Troitskaia, Svetlana	MS	1999	99-7	"Optimization of Induction Motor Powered By Variable Speed Drive"
Zhu, Yiqing	MS	1999	99-8	"Evaluation of the Reactive Market Power"
Thomas, Eric	MS	1999	99-9	"Engine Simulation Control of an Induction Motor"
Mak, Frankie	MS	2000	00-2	"Load Distribution and Frequency Computation During Power System Transient"
West, Sean	MS	2000	00-3	"Performance Evaluation of Switched Capacitor Battery Equalizer"
Murphy, Christian	MS	2000	00-4	"Evaluation of a Resonant Converter for Plasma Display Panel Powering"
Klump, Ray	Ph.D.	2000	00-5	“Computational Framework for Assessing Voltage Security Using Energy Methods”
Kokovec, Mike	MS	2000	00-6	“Power Transmission Line Equivalent Circuit Models for Use In Transient Analysis”
Martini, Craig	MS	2000	00-7	“Visualization of Oscillation Mode Shapes, Participation Factors, and Transmission Systems”

Donde, Vaibhav	MS	2000	00-8	“Simulation of Bilateral Contracts In An AGC System”
Tao, Shu	Ph.D.	2000	00-9	“Allocation and Management Issues In Multiple-Transaction Open Access Transmission Networks”
Logue, Dan	Ph.D.	2000	00-10	“Power Electronic Building Block Applications in Optimization, Control, and Simulation”
Bartlett, Chris	MS	2000	00-11	
Pascual, Cesar	Ph.D.	2000	00-12	“All-Digital Audio Amplifier”
Mucha, Joe	MS	2001	01-02	“System Control Strategies for a Series Hybrid Electric Vehicle”
Papenfuss, Cory	MS	2001	01-03	“Control and Instrumentation for Power Management in a Hybrid Electric Vehicle”
Chaniotis, Dimitrios	Ph.D.	2001	01-04	“Krylov Subspace Methods in Power System Studies”
Nayak, Anil	MS	2001	01-05	“Congestion Management in Restructured Power Systems Using Optimal Power Flow Framework”
Irhig, Barbara		2002	02-02	“Congestion in the ISO-NE Electricity Markets”
Correia, Pedro	Ph.D.	2002	02-03	“The Use of Noncooperative Games to Determine Strategic Bidding in Centralized Electricity Markets”
Muñoz, Oscar	MS	2002	02-04	“Evaluation of the Potential for Transmission Constraints on the Operation of a Competitive Electricity Market”
Nguyen, Tony B.	Ph.D.	2002	02-05	“Dynamic Security Assessment of Power Systems Using Trajectory Sensitivity Approach”
Chorazy, Philip	MS	2002	02-06	“Visualization Techniques for a Java Power System Applet”
Owens, James	MS	2002	02-07	“Reduced Finite Element Analysis for Linear Magnetic Devices”
Balog, Rob	MS	2002	02-08	“Coupled Inductor: A Basic Filter Building Block Analysis, Simulation, and Examples”
Grijalva, Santiago	Ph.D.	2002	02-09	
Geng, Xin	MS	2002	02-10	“Multicarrier and Multisignal PWM Techniques for High-Frequency-Link

Dahman, Scott	MS	2003	03-02	Power Electronics Applications” “Electricity Option Valuation by Network Simulation”
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