

Dr. Mladen Kezunovic, P.E.

Department of Electrical and Computer Engineering

Texas A&M University

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CURRENT	Texas A&M University (TAMU), Department of ECEN, College Station, TX	
	Director, Smart Grid Center	2012-Present
	Eugene E. Webb Professor	2000-Present
	Professor, Tenured	1996-Present
	Director, Power Systems Control and Protection Laboratory	1992-Present
	National Science Foundation I/UCRC	
	Site Director, Power Systems Engineering Research Center (PSERC)	2000-Present
	Test Laboratories International, Inc. d.b.a. XpertPower Associates	
	President& CEO, Principal Consultant	1992-Present
	Texas Board of Professional Engineers	
	Registered Professional Engineer, License No. 76824	1993-Present
EDUCATION	University of Kansas, Lawrence, KS	
	Ph.D., Electrical Engineering	Jun 1980
	M.Sc., Electrical Engineering	Oct 1977
	University of Sarajevo, Sarajevo, Bosnia	
	Diploma of Engineering, Electrical Engineering	Oct 1974
EXPERTISE	Protective Relaying, Automated Power System Disturbance Analysis, Computational Intelligence and Data Analytics, Smart Grids	
HONORS/AWARDS		
<i>Academic</i>	Texas A&M University at Qatar, Qatar	
	Eminent Scholar	2015-2016
	National Council for Scientific and Technological Development (CNPq), Brazil	
	Special Visiting Scholar, Science without Borders	2015-2017
	Texas A&M University, College Station, TX	
	Faculty Service Award, Department of ECEN	2010
	E.D. Brockett Professor	1999
	Texas Engineering Experiment Station, Senior Fellow	1998
	Texas Engineering Experiment Station, Fellow	1997
	Texas Engineering Experiment Station, Fellow	1993
	The King Saud University, Saudi Arabia	
	ARAMCO Chair in Electrical Power	2010
	South China University of Technology, China	
	Honorary Title, Guest Professor	2005

University of Kansas, Lawrence, KS	
Final Ph.D. Exam Honors	1980
Dissertation Fellowship	1980
Comprehensive Ph.D. Exam Honors	1979

Fulbright Foundation, U.S. Department of State, USA	
Foreign Student Graduate Scholarship	1976-1977

Professional

National Institute of Standards and Technology	
Smart Grid Interoperability Panel 2.0 Director, Board of Directors	2009-2013
Smart Grid Interoperability Panel 1.0 Governing Board, Elected Member	2009-2013

The Institute of Electrical and Electronic Engineers	
Power Systems Relaying Committee (PSRC), Service Award for 25 Years	2012
IEEE, Educational Activities Board Standards Education Award	2011
Power Systems Analysis, Computing and Economics Committee, Chairman Certificate of Appreciation, TF on "Fault Analysis"	2011
The IEEE Standards Association, Outstanding contribution to development of IEEE Standard C37.239-2010	2010
Power Systems Relaying Committee (PSRC), Service Award for 20 Years	2007
Power Analysis, Computing and Economics Committee, Recognition Award "Working Group on New Technologies and Practical Applications"	2006
Power Systems Relaying Committee, Chairman Certificate of Appreciation "WG on Application of IS to Power System Protection"	2000
IEEE Fellow for "the development and implementation of systems for automated fault analysis"	1999
PSRC, WG Recognition Award "IEEE standard 37.111-1991"	1993

International Council on Large Electric Systems-CIGRE	
CIGRÉ Paris, Fellow	2014
CIGRÉ Paris, Technical Committee Award for "remarkable technical contribution to the study committee B5, protection and automation"	2012
U.S. National Committee, Atwood Associate Award	2008
U.S. National Committee Paper Recognition Award, CIGRÉ General Session	2004
U.S. National Committee Paper Recognition Award, CIGRÉ General Session	1998
U.S. National Committee Paper Recognition Award, CIGRÉ General Session	1996

EXPERIENCE

Academic

Texas A&M University (TAMU), Department of ECEN, College Station, TX	
Director, Smart Grid Center	Aug 2012-Present
Deputy Director, Electrical Vehicles-Transportation and Electricity Convergence (EV-TEC) Center	2008-2013
Leader, Smart Energy Campus Initiative	Aug 2009-Present
Leader, Smart Grid Center Initiative	Jan 2012-Aug 2012
Site-Director, NSF I/UCRC PHEV/EBV: TEC	Mar 2009-Aug 2010
Director, Electric Power and Power Electronics Institute	Jun 1997-Dec 2006

Coordinator, Electric Power and Power Electronics Program	Jun 1997-Dec 2006
Eugene E. Webb Endowed Professor	Jan 2000-Present
Site Director, NSF I/UCRC PSERC	Sep 2000-Present
Tenured Professor	Sep 1996-Present
Tenured Associate Professor	Sep 1994-Aug 1996
Director, Power System Control and Protection Laboratory	Jan 1992-Present
Associate Professor	Jan 1992-May 1994
Adjunct Associate Professor	Sep 1991-Dec 1991
Visiting Associate Scientist	Jun 1989-Aug 1991
Visiting Associate Professor	Aug 1986-May 1989
Graduate Student Advisor, 22 Ph.D., 21 M.Sc., 8 M.E.	Sep 1989-Present

The University of Hong Kong, Hong Kong
 Visiting Prof, Dept. of Electrical and Electronic Engineering Sep 2007-Dec 2007

TxCEE (six Texas Universities), Texas
 Leader, Texas Consortium for Electric Energy Dec 2004-Dec 2007

Washington State University, Pullman, WA
 Visiting Assoc. Prof, Department of Electrical Engineering Aug 1986-May 1987

The University of Sarajevo, Sarajevo, Bosnia
 Associate Prof (equivalent title from industry) Apr 1986-May 1987
 Assistant Prof, School of Electrical Engineering Oct 1974-April 1986

Industry

Test Laboratories International, Inc. d.b.a. XpertPower Associates, College Station, TX
 President & CEO, Principal Consultant 1992-Present

Domestic clients:

ISO New England; AVO Multi-Amp Corporation; Bonneville Power Administration; CenterPoint Energy; Commonwealth Edison; Decision Systems Int'l; Duke Power; Electric Power Research Institute; Entergy Services, Inc.; First Energy; GE Corporate Research; Florida Power & Light Company; Hewlett-Packard; Harza Engineering; Illinois Power; MICON Inc.; New York Power Authority; Quanta Technologies; Reliant Energy HL&P; Southern California Edison; TECHRON, Inc.; Test Laboratories International, Inc.; Toshiba America, Inc; Western Area Power Administration; Wisconsin Power & Light.

International clients:

BC Hydro (Canada); CHESFE (Brazil); CEATI (Alberta, Canada); DuServe (Dubai), Electricite de France (France); Electrix (New Zealand); Electropaulo Metropolitana (Brazil); Elia (Belgium); Energoinvest Company (Bosnia); ESKOM (South Africa); Government of China (China); Hydro Québec (Canada); King Saud University (Saudi Arabia), RTE (France); Statnett (Norway); Saudi Electric (Saudi Arabia).

Electricité de France, Research Center, Clamart, France
 Consultant (Sabbatical leave), Department FCR Sept 2009-Jun 2010

Energoinvest Company, Sarajevo, Bosnia

Project Leader, Institute for Control & Computer Sciences
 Systems Engineer, Institute for Computer & Information
 Systems

Mar 1982-Aug 1987
 Oct 1980-Feb 1982

Westinghouse Electric Corporation, Pittsburgh, USA

Systems Engineer, Industry Systems Division

May 1979-Sept 1980

STUDENTS**23 Ph.D. graduate students:**

Qinghua Chen (Tsinghua University); Zhixiong Gong (China); Ashok Gopalakrishnan (Quanta technology); Yong Guo (Symwave); Sead Kreso (University of Sarajevo), Slobodan Levi (England), Yuan Liao (University of Kentucky); Xu Luo (Southern Cal Edison); Satish Natti (Siemens); Veselin Skendzic (Schweitzer Eng.); Hongbiao Song (Bechtel); Slavko Vasilic (DNVGL); Yang Wu (Alstom Grid); Xingjun Xu (CAISO); Nan Zhang (Energy Exemplar); Saeed Lottifard (Washington State University); Jinfeng Ren (Energy); Chenzong Pang (Wichita State University); Yimai Dong (Electrocon); Ce Zheng (Electrocon); Yufan Guan; Papiya Dutta (India); Biljana Matic-Cuka (USA)

21 M.Sc. graduate students:

Siva Kumar Akkiraju (India); Zarko Djekic (Australia); Fang Ji (Texas Instruments); Maja Knezev (Australia); Amela Kreho (USA); Saša Jakovljevic (Real Time Utility Engrs.); Rodrigo Martinez-Lagunes (ABB); Jasna Mrkic (Eriksson); Chris Nail (Sandia); Padmanaban Namasivayam (India); Bogdan Naodovic (Intel); Levi Portillo (Texas New Mexico Power); Xiaoxia Qi; Zhifang Ren; Igor Rikalo (i2); Dragan Ristanovic (Bechtel); Emina Soljanin (Bell Labs), Predrag Spasojevic (Rutgers); Jianyong Sun; Miloš Todorovic (GE); Nitin Ved (Microsoft)

8 M.E. graduate students:

Tanja Djokic; Nien-Tzu Hsia; Anisha Jonas; Mahesh Rajani; Steven Sauer; Noah Badayos; Mohsen Ghvam; Chenyan Guo

9 Ph.D. candidates:

Ahmad Abdullah; Po-Chen Chen; Payman Dehghanian; Tatjana Dokic; Ahad Esmaelian; Mohammad Tasdighi; Qin Yan; Bei Zhang; Tamara Becejac; Cheng Qian

SERVICE**Texas A&M University**

Member, ECE Tenure and Promotion Committee	2012-2014
Member, Energy Action Plan 2015 Advisory Committee	2011-2013
Member, Entrepreneurship Committee, Texas A&M University	2010-2012
Member, Council for Built Environment, Texas A&M University	2010-2012
Member, Council of Principal Investigators, Texas A&M University	2009-2012
Chair, Strategic Planning Committee, ECE	1996-2005
Member, Council of Principal Investigators, Texas A&M University	1996-2002

NIST, Smart Grid Interoperability Panel

Director, Board of Directors, SGIP 2.0

2013

Member, Testing and Certification Committee	2010-Present
Member, Governing Board, SGIP 1.0	2009-2013
Chair, GB WG on Communication, Marketing and Education	2009-2013
Member, Priority Action Plan 13	2009-2013
Member, Domain Expert Working Group for T&D	2009-2013

National Research Council

Review Panel, NIST Physical Measurement Laboratory	2015-Present
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The Institute of Electrical and Electronic Engineers (IEEE)

Power Systems Relaying Committee

Member, Power Systems Relaying Committee	1995-Present
Member, Line Protection Subcommittee	1993-Present
Relay Input Sources Subcommittee	1995-1997
Systems Protection Subcommittee	1997-2010
Relay Practices Subcommittee	1994-2008
Chair, WG on “Intell. System App. to Protection Engineering”	1994-1999
Chair, WG on “Digital Simulator Perf. Req. for Relay Testing”	1993-1997
Member of 28 working groups	1990-Present

Transmission&Distribution Committee

Member, Working Group on “Modeling and Analysis of System Transients Using Digital Programs”, General Systems Subcommittee	1994-2000
Member, Working Group on “Application of Intelligent Methods to Transmission and Distribution Problems”, General Systems Subcommittee	1994-1999
Member, Task Force on “Protection and Control Modeling” Working Group on “Modeling and Analysis of System Transients Using Digital Programs”, General Systems Subcommittee	1994-1998

Power Systems Analysis, Computing and Economics Committee

Member, Subcommittee on Intelligent System Applications	1997-Present
Vice Chair, Task Force on “Fault Analysis”, Working Group on “Practical Applications of Intelligent System Technologies”, Subcommittee on Intelligent System Applications	2000-2011
Chair, Task Force on “Fault Analysis”, Working Group on “Practical Applications of Intelligent System Technologies”, Subcommittee on Intelligent System Applications	1997-2000

International Council on Large Electric Systems (CIGRE)

Member, U. S. National Committee	1990-Present
Convener, U.S. Representative, Working Group B5.10, “Education, Qualification and Continuing Professional Development of Engineers in Protection and Control,” Study Committee B5 (Protection)	2010-2014
Convener, U.S. Representative, Working Group B5.20, “New Trends for Automated Fault and Disturbance Analysis,” Study Committee B5 (Protection)	2005-2009
Convener, Task Force on “Tools for Protective Relay Engineering,” Study Committee B5 (Protection)	1999-2005

Corresponding Member, U.S. Representative, Working Group on “Analysis and Guidelines for Testing Numerical Protection Schemes,” Study Committee B5 (Protection)	1996-2000
Convener, Task Force on “Practical Intelligent System Applications to Protection and Substation Monitoring and Control,” Study Committee 34 (Protection)	1997-1999
Member of five working groups	1992-Present

Editorial Boards

Member, Editorial Board, Journal of Computer and Software Engineering, U.S.A.	1993-Present
Member, Editorial Advisory Panel, Electric Power Systems Research Journal, Switzerland	1990-Present

Reviewer

Science Foundation of Serbia	2010-Present
Science Foundation of Ireland	Sep 2010
Indiana Economic Development Fund	Feb 2007
DOE Distributed Energy Resources Program	Nov 2003
National Science Foundation	1995-Present
Canadian Electrical Association	2000-Present
IEE Proc. Generation, Trans& Distribution, England	1996-Present
IEEE Power Engineering Society, Trans. on Power Systems	1994-Present
IEEE Power Engineering Society, Trans. on Power Delivery	1990-Present
Journal on Engineering Intelligent Systems, England	1996-Present
Journal on Elec. Power and Energy Systems, Elsevier Science	1996-Present
IEEE Walter Fee Outstanding Young Engineer Award	1988, 1989, 1990, 1991
Center for Energy & Mineral Resources, Texas A&M University	1991

Conferences/Workshops

Member, Technical Committee, “IEEE Innovative Smart Grid Technologies (ISGT)”, Washington DC	Jan 2013, Feb 2014, Feb 2015
Chair, NSF Workshop on “Energy Cyber-Physical Systems”	Dec 2013
Chair, Organizing Committee, “Smart Grid Workshop”, Texas A&M University	Apr 2013, Apr 2014, Apr 2015
Chair, Technical Program Committee, First IEEE International Conference on Electrical Vehicles (IEVC 2012)	Mar 2012
Chair, Third Workshop titled “The Role of PHEV in Interfacing Electricity and Transportation Networks,” College Station, TX	Oct 2010
Chair, Workshop titled “Smart Electricity Grids: Impact and role of Information Technology,” 43th Annual Hawaii International Conference on System Sciences (HICCS 43), Hawaii	Jan 2010
Chair, Second Workshop titled “The Role of PHEV in Interfacing Electricity and Transportation Networks,” Austin, TX	Jul 2009
Chair, PSerc Executive Forum Titled “Smart Grid Deployment Strategies and Business Opportunities,” Austin, TX	Mar 2009
Chair, First Workshop titled “The Role of PHEV in Interfacing Electricity and Transportation Networks,” Austin, TX	Aug 2008
Chair, Second Sino-American Workshop on “Electric Energy for the 21st Century: the China-US Research and Development Needs,” Washington DC	Dec 2007

Member, Technical Program Committee, "International Conference on Intelligent System Applications to Power Systems," Kaohsiang, Taiwan	Nov 2007
Chair, First Sino-American Workshop on "Responsive Power Systems," Guangzhou, China	Oct 2006
Member, Technical Steering Committee, International Conference on Intelligent System Applications to Power Systems, Washington, DC	Nov 2005
Chair, Organizing Committee, "The First Texas Electric Energy Forum," College Station, Texas	Nov 2004
Member, Technical Program Committee, International Conference on Intelligent System Applications to Power Systems, Lemnos, Greece	Aug 2003
Chair, NSF Sponsored Symposium "Modernizing the National Electric Power Grid," New Orleans, Louisiana	Nov 2002
Member, Technical Program Committee, International Conference on Power Systems Protection, Ljubljana, Slovenia	Oct 2002
Member, Technical Program Committee, International Conference on Power System Transients, Rio de Janeiro, Brazil	Jun 2001
Member, Technical Program Committee, International Conference on Intelligent System Applications to Power Systems, Budapest, Hungary	Jul 2001
Member, Technical Program Committee, International Conference on Digital Power System Transients, Budapest, Hungary	Jun 1999
Chair, Technical Program Committee, Third International Conference on Digital Power System Simulators, Västerås, Sweden	May 1999
Chair, Technical Program Committee, Second International Conference on Digital Power System Simulators, Montreal, Canada	May 1997
Member, Technical Program Committee, International Conference on Power System Transients, Seattle, Washington	June 1997
Member, Technical Program Committee, International Conference on Power System Protection, Ljubljana, Slovenia	Oct 1996
First International Conference on Digital Power System Simulators, College Station, Texas:	Apr 1995
<ul style="list-style-type: none"> • Technical Program Committee (TPC) Chairman • TPC Liaison to the Steering Committee • Local Organizing Committee Chairman 	

RESEARCH

Total project funding raised is \$29,838,992 (TAMU portion is \$18,550,232)

"Vegetation Management Risk Model" Feb 2016-Jan 2017

- Principal Investigator, CenterPoint Energy
- Total project funding is \$102,000.00

"Integration of Solar Generation and Electrical Vehicles Into The Smart Grid" Feb 2016-Jan 2019

- Principal Investigator, Qatar National Research Fund
- Total project funding is \$788,933.00
- Co-PIs: Mohamed Trabelsi and Haitham Abu-Rub,

Texas A&M University at Qatar

- "Detection, Classification, and Mitigation of Cybersecurity Attacks on Synchronphasor Systems"*** Jan 2016-Dec 2018
- Principal Investigator, TEES
 - Total project funding is \$50,000.00
 - Co-PIs: Jyh-Charn (Steve) Liu, Dilma Da Silva and Guofei Gu, Texas A&M University at College Station
- "High Impact Project Title: Life-cycle Management of Mission-Critical Systems Through Certification, Commissioning, In-Service Maintenance, Remote Testing, and Risk Assessment"*** July 2015-Aug 2018
- Principal Investigator, PSerc
 - Total project funding is \$1,200,000.00 (TAMU portion is \$321,750.00)
 - Co-PIs: Sakis Meliopoulos, Georgia Tech, David Bakken and Anurag Srivastava, Washington State University, and Tom Overbye, University of Illinois-Urbana Champaign
- "Energy Cyberphysical Systems: Experimental Open Source Ecosystem for Synchronphasor Research"*** Sep 2014-Aug 2016
- Principal Investigator, TAMU-TEES Seed Grant
 - Total project funding is \$100,000
 - Co-PIs: Chanan Singh, P.R. Kumar, Erick Moreno-Centeno, Alex Sprintson, Radu Stoleru, Le Xie, Texas A&M University
- "Development of Advanced Open-Source PMU/PDC Lab and Applications with Synchronized Data Obtained from Simulation and Actual Power Network"*** Sep 2014-Aug 2016
- Principal Investigator, TAMU-CAPES
 - Total project funding is \$50,000
 - Co-PIs: G. Taranto (COPPE/Federal University of Rio de Janeiro, Brazil)
- "The Use of Big Data for Outage management in Distribution Systems"*** Jan 2014-Dec 2014
- Principal Investigator, NSF through University of Tennessee
 - Total project funding is \$75,238.00
- "Systematic Integration of Large Data Sets for Improved Decision-Making"*** Jun 2013-Aug 2015
- Principal Investigator, PSerc Consortium
 - Total project funding is \$210,000.00 (TAMU portion is \$140,000.00)
 - Co-PIs: Le Xie, Texas A&M University and

Santiago Grijalva, Georgia Tech

- “NSF CORBI: The Electricity and Transportation Infrastructure Convergence Using EVs”*** Aug 2012-Sep 2015
- Principal Investigator, PSerc and EV-TEC
 - Total project funding is \$160,000.00 (TAMU portion is \$80,000.00)
 - Co-PIs: Ross Baldick, UT Austin and Sakis Meliopoulos, Georgia Tech
- “Robust Adaptive Topology Control”*** Jan 2012-Jun 2015
- Principal Investigator
 - Total project funding is \$4,910,031 (TAMU portion is \$2,693,019)
 - Co-PIs: Shmuel Oren, Berkeley; Kory Hardeman, Arizona State University; Erick Moreno-Centeno, Texas A&M; Alex Sprintson, Texas A&M; Garng Huang, Texas A&M, Jeff Stewart, LLNL; John Stoval, ORNL; Russell Robertson, GPA; DeJim Lowe, TVA; Sami Ayyorgun, Telcordia
- “The Next Generation EMS Design”*** Jun 2011-Aug 2013
- Principal Investigator, PSerc Consortium
 - Total project funding is \$150,000 (TAMU portion is \$80,000)
 - Co-PIs: Anjan Bose, Washington State University
- “Data Mining to Characterize Signatures of Impending Events or Performance from PMU Measurements”*** Jun 2011-Aug 2013
- Co-Principal Investigator, PSerc Consortium
 - Total project funding is \$220,000 (TAMU portion is \$70,000)
 - PI: Vijay Vittal, Co-PI: J. Zhang, Arizona State University
- “A Real-time Monitoring, Control & Health Management System to Improve Grid Reliability and Efficiency”*** Apr 2011-Sep 2013
- Co-Principal Investigator, DOE
 - Total project funding is \$4,123,923 (TAMU portion is \$1,250,000)
 - PIs: James Stoupis, Mirrasoul Mousavi, ABB
- “Smart Grid Education for Students and Professionals”*** Mar 2011-Jun 2014
- Principal Investigator, PSerc Consortium/DOE
 - Total project funding is \$140,000 (TAMU portion is \$65,000)
 - Co-PIs: Sakis Meliopoulos, Georgia Tech; Vijay Vittal, Arizona State University; Mani Venkatasubramanian, Washington State University; Alex Sprintson, TAMU

- “Hierarchical Coordinated Protection of the Smart Grid with High Penetration of Renewable Resources”*** Mar 2011-Jun 2014
- Principal Investigator, PSerc Consortium/DOE
 - Total project funding is \$210,000
- “The Impact of PHEV/BEV Charging on Utility Distribution Systems”*** Jan 2011-Dec 2012
- Principal Investigator, EV-TEC Consortium
 - Total project funding is \$80,000
- “PHEV/BEV Data Hub”*** Jan 2011-Dec 2012
- Principal Investigator, EV-TEC Consortium
 - Total project funding is \$80,000
 - Co-PI: Le Xie, Texas A&M University
- “Verifying Interoperability and Application Performance of PMUs and PMU-enabled IEDs at the Device and System level”*** Jun 2010-Aug 2012
- Principal Investigator, PSerc Consortium
 - Total project funding is \$190,000 (TAMU portion is \$130,000)
 - Co-PIs: Ali Abur Northwestern University; Alex Sprintson, Texas A&M University
- “The Smart Grid Needs: Model and Data Interoperability and Unified Generalized State Estimator”*** Jun 2010-Aug 2012
- Principal Investigator, PSerc Consortium
 - Total project funding is \$135,000 (TAMU portion is \$65,000)
 - Co-PI: Santiago Grijalva, GaTech
- “Optimized Fault Location for Distribution Systems”*** Mar 2009-Apr 2011
- Principal Investigator, ABB
 - Total project funding was \$237,915
- “PHEVs as Dynamically Configurable Dispersed Energy Storage”*** Jun 2009-Aug 2011
- Principal Investigator, PSerc Consortium
 - Total project funding was \$220,000 (TAMU portion was \$80,000)
 - Co-PIs: Ross Baldick, UT Austin; Ivan Damjanovic, TAMU
- “Communication Requirements & Integration Options for Smart Grid Deployment”*** Jun 2009-Aug 2011
- Co-Principal Investigator, PSerc Consortium
 - Total project funding was \$160,000 (TAMU portion was \$60,000)

- PI: Ward Jewell, Wichita State University
- “Impact of Wind Generation on Protection Systems”*** Aug 2010-Aug 2011
- Principal Investigator, Vestas
 - Total project funding was \$75,000
- “Information Technology for the 21st Century Smart Grid”*** Aug 2008-Aug 2009
- Principal Investigator, State of Texas & The Center for the Commercialization of Electrical Technologies
 - Total project funding was \$500,000 (TAMU portion was \$207,300)
 - Co-PIs: Mack Grady, Surya Santoso, UT Austin; Wei-jen Lee, UT Arlington
- “The 21st Century Substation Design”*** Jun 2008-Aug 2010
- Principal Investigator, NSF & PSerc Consortium
 - Total project funding was \$150,000 (TAMU portion was \$90,000)
 - Co-PI: George Karady, Arizona State University
- “Integration of Asset and Outage Management Tasks for Distribution Applications”*** Jun 2007-Aug 2009
- Principal Investigator, NSF & PSerc Consortium
 - Total project funding was \$155,000 (TAMU portion was \$75,000)
 - Co-PI: Ward Jewell, Wichita State University
- “Multiple Uses of Substation Data – Phase II”*** May 2005-Dec 2009
- Principal Investigator, EPRI
 - Total project funding was \$570,019
- “Synchronized Sampling Uses for Real Time Monitoring and Control”*** Sept 2006-Sept 2009
- Principal Investigator, DOE-CERTS
 - Total project funding was \$300,000
- “Intelligent Alarm Processors”*** Dec 2006-Mar 2008
- Principal Investigator, ERCOT
 - Total project funding was \$100,000
- “SGER: Integrated Solutions for Ubiquitous Use of Electricity and Cyber Services”*** Aug 2006-Feb 2008
- Principal Investigator, NSF
 - Total project funding was \$75,000.00
- “Integration of Substation IED Information into EMS Functionality”*** Jun 2006-Aug 2008

- Principal Investigator, NSF and PSerc Consortium
 - Co-PI Tom Overbye, University of Illinois
 - Total project funding was \$120,000.00, TAMU part \$60,000.00
- “Detection, Prevention, and Mitigation of Cascading Events - Prototype Implementation”*** Jun 2006-Aug 2008
- Co-Principal Investigator , NSF and PSerc Consortium
 - PI: Mani Venkatasubramanian, Washington State University and Vijay Vittal, Arizona State University
 - Total project funding was \$236,000.00, TAMU part \$50,000.00
- “Electricity Systems for the 21st Century: The China-US Research and Development Needs”*** May 2007-Dec 2007
- Principal Investigator, Second Sino-American Workshop, TAMU
 - Total project funding was \$10,000.00
- “Responsive Power Systems”*** Sept 2006-Sept 2007
- Principal Investigator, First Sino-American Workshop On, Guangzhou, China (TAMU and ABB)
 - Total project funding was \$20,000.00
- “Integration of Substation IED Information into EMS Functionality”*** Jan 2006-Mar 2007
- Principal Investigator, DOE-CTC
 - Total project funding was \$230,000.00
- “Digital Protection System Using Optical Instrument Transformers and Digital Relays Interconnected by an IEC 61850-9.2 Digital Process Bus”*** Jun 2005-Jun 2007
- Principal Investigator, NSF and PSerc Consortium
 - Co-PI: George Karady, Arizona State University
 - Total project funding was \$130,000.00, TAMU part \$65,000.00
- “Transient Testing of Protection Relays: Study of Benefits and Methodology”*** Jun 2005-Jun 2007
- Principal Investigator, NSF and PSerc Consortium
 - Co-PIs: Sakis Meliopoulos, GaTech and Ward Jewell, Wichita State University
 - Total project funding was \$160,000.00. TAMU part \$60,000.00
- “REU Site: Electrical Engineering Research Applications in Homeland Security”*** May 2004-Apr 2007

- Co- Principal Investigator, NSF
 - Co-PIs: H.F. Taylor, A.L. Narasimha Reddy, K.L. Butler-Purry, E. Serpedin, L. Kish, P.R. Hemmer, T. Zourntos, D. Kundur
 - Total project funding was \$200,365.00
- “Automated Topology Analysis Using Substation Data”*** Feb 2004-Mar2007
- Principal Investigator, ABB Corporate Research
 - Total project funding was \$217,000.00
- “Role of Substation Automation in Real Time Control”*** Sept 2004-Aug 2006
- Principal Investigator, DOE CERTS
 - Total project funding was \$230,000.00
- “TAMU Participation in the NSF I/UCRC: Power Systems Engineering Research Center (PSERC)”*** Sept 2000-Sept 2006
- Principal Investigator, NSF
 - Total project funding was \$275,000.00
- “Performance Assessment of Advanced Digital Measurement and Protection System”*** Jan 2004-Dec 2005
- Co-Principal Investigator, NSF and PSERC Consortium
 - PI: Dr. George Karady, Arizona State University
 - Total project funding was \$130,000.00, TAMU part \$65,000.00
- “Multiple Uses of Substation Data”*** May 2004-Apr 2005
- Principal Investigator, EPRI
 - Total project funding was \$40,079.00
- “Enhanced Reliability of Power System Operation Using Advanced Algorithms and IEDs for On-Line Monitoring”*** Jun 2002-Jun 2005
- Principal Investigator, NSF and PSERC Consortium
 - Co-PIs: A. Abur, Texas A&M University, R. Shoureshi, Colorado School of Mines, S. Meliopoulos, Georgia Institute of Technology
 - Total project funding was \$262,800.00, TAMU part \$262,800.00
- “Microgrid Protection and Control”*** Jun 2002-Jun 2005
- Co- Principal Investigator, NSF and PSERC Consortium
 - PI: Dr. R. Lasseter, University of Wisconsin
 - Total project funding was \$150,000.00, TAMU part: \$30,000.00
- “Detection, Prevention, and Mitigation of Cascading*** Jun 2002-Jun 2005

Events”

- Co-Principal Investigator, NSF and PSERC Consortium
- PI: V.V. Vittal, Iowa State University, Co-PI: M. Venkatasubramanian, Washington State University
- Total project funding was \$240,000, TAMU part \$75,000.00

“Automated Integration of Condition Monitoring with an Optimized Maintenance Schedule for Circuit Breakers and Power Transformers”

Jun 2002-Jun 2005

- Co-Principal Investigator, NSF and PSERC Consortium
- PI: J. McCalley, Iowa State University,
- Co-PI: C. Singh, Texas A&M University, V. Honavar, Iowa State University
- Total project funding was \$255,000.00, TAMU part (M. Kezunovic) \$63,750.00, TAMU Part (C. Singh) \$63,750.00

“Smart Sensor Development for Power Transmission and Distribution”

Jun 2002-Jun 2005

- Co-Principal Investigator, NSF and PSERC Consortium
- PI: M. Simoes, Colorado School of Mines,
- Co-PI: R. Shoureshi, Colorado School of Mines
- Total project funding was \$165,000.00, TAMU part \$30,000.00

“Substation Data Uses for Improved Local and EMS Functions”

Sept 2003-Aug 2004

- Principal Investigator, DOE CERTS
- Total project funding was \$94,524.00

“Workshop: Modernizing the National Electric Power Grid”

Dec 2002-Nov 2003

- Principal Investigator, NSF
- Total project funding was \$28,000.00

“Data Integration and Information Exchange: Impact on Future Substation and EMS Applications and Related Implementation Requirements”

May 2002-Dec 2003

- Principal Investigator, EPRI
- Co-PI: A. Abur
- Total project funding was \$150,690.00

“Automated Circuit Breaker Monitoring”

Sept 2000-Dec 2002

- Principal Investigator, Reliant Energy HL&P
- Total project funding was \$140,000.00

- “Accurate Fault Location in Transmission and Distribution Networks Using Modeling, Simulation and Limited Field Recorded Data”*** Sept 2000-Aug 2002
- Principal Investigator, NSF and PSERC Consortium
 - Co-PIs: A. Abur
 - Total project funding was \$109,075.00
- “Improved State Estimation via Advanced Substation Monitoring”*** Sept 2000-Aug 2002
- Co-Principal Investigator, NSF and PSERC Consortium
 - PI: A. Abur
 - Total project funding was \$76,000.00
- “Power System Monitoring Using Wireless Substation and System-Wide Communications”*** Sept 2000-Aug 2002
- Principal Investigator, NSF and PSERC Consortium
 - Co-PIs: Dr. C. Georghiades
 - Total project funding was \$76,000.00
- “Self-Evolving Agents for Monitoring, Control and Protection of Large Complex Dynamic Systems”*** Jan 1999-Jun 2002
- Co-Principal Investigator, ARO/EPRI
 - PI: Dr. G. Huang
 - Total project funding was \$546,980.00
- “Planning Grant for TAMU's Participation in PSERC”*** Jan 2000-Jun 2001
- Principal Investigator, NSF
 - Total project funding was \$10,000.00
- “Multidisciplinary Education Using Curriculum Re-Engineering, Industry Partnership and Simulation Technology”*** May 1997-Apr 2001
- Principal Investigator, NSF, EPRI, and eight industry sponsors
 - Co-PIs: Drs. A. Abur, G. Huang-TAMU and Drs. A. Bose, M. Venkatasubramanian, K. Tomsovic-Washington State University
 - Total project funding was \$812,828.00
- “Advanced Tools for Power Quality Assessment”*** Jan 1998-Aug 2000
- Co-Principal Investigator, THECB, Reliant Energy HL&P, TU Electric
 - PI: A. Abur
 - Total project funding was \$216,865.00

- “New Methodology for Distance Relay Testing”*** Dec 1999-Jul 2000
- Principal Investigator, Entergy Services
 - Total project funding was \$20,000.00
- “Study of the Theoretical Basis for Different Behavior of Protective Relays under Various Test Conditions”*** Feb 1999-Jun 2000
- Principal Investigator, Electricite de France
 - Total project funding was \$20,000.00
- “New Approaches for Preventing Wide-Area Power System Outages”*** May 1998-Jun 1999
- Principal Investigator, TAMU's Energy Resources Program
 - Total project funding was \$24,960.00
- “Center for Power System Technology, Engineering, Application and Manufacturing”*** Jun 1996-Dec 1998
- Principal Investigator, Strategic Research Initiative Pre-Award, Texas A&M University Engineering Dean's Office
 - Co-PIs: Dr. G. Huang, Dr. A. Abur
 - Total project funding was \$15,000.00
- “Research Experience for Undergraduates”*** Jun 1998-Dec 1998
- Principal Investigator, NSF
 - Supplement to NSF Grant MERIT 2000
 - Total project funding was \$5,000.00
- “Automated Classification of DFR Files Using Expert System and Signal Processing”*** Jul 1996-Dec 1998
- Principal Investigator, TU Electric
 - Total project funding was \$287,476.00
- “Fault Location Using Synchronized Sampling”*** Sept 1996-Dec 1998
- Principal Investigator, Western Area Power Administration (WAPA)
 - Total project funding was \$61,600.00
- “Acquisition of Advanced Instrumentation and Test Equipment for Research, Education, and Training in Electric Power Quality”*** Sept 1995-Dec 1997
- Principal Investigator, NSF
 - Co-PI: Dr. P. Enjeti
 - Total project funding was \$251,743.00
- “Second International Conference on Digital Power System Simulators”*** Aug 1996-Aug 1997
- Principal Investigator, NSF
 - Total project funding was \$5,000.00

- “An Expert System for Monitoring of a Generating Plant”*** Jun 1994-Dec 1996
- Principal Investigator, Houston Lighting and Power Company (HL&P)
 - Total project funding was \$129,546.00
- “Research and Review of Literature for Fault Locators”*** Jul 1995-Jul 1996
- Principal Investigator, Western Area Power Administration
 - Total project funding was \$10,000.00
- “New Real-Time Digital Simulator for Relay Testing”*** Aug 1994-Feb 1996
- Principal Investigator, Commonwealth Edison Company
 - Total project funding was \$446,089.00
- “Protective Relay Workstation: Applications of a Digital Simulator-Phase II”*** Jul 1992-Sept 1995
- Principal Investigator, Electric Power Research Institute (EPRI), FPL Co., HL&P Co., DOE-Western Area Power Administration
 - Total project funding was \$816,138.00
- “First International Conference on Digital Power System Simulators”*** May 1994-May 1995
- Principal Investigator, Travel Grant, NSF
 - Total project funding was \$5,000.00
- “A Real Time Digital Simulator for Relay Testing”*** Oct 1990-Sept 1994
- Principal Investigator, Department of Energy (DOE)-Western Area Power Administration
 - Total project funding was \$627,860.00
- “Evaluation of Dynamic and Transient Testing Using AVO Multi-Amp Pulsar Test System”*** Dec 1991-Nov 1993
- Principal Investigator, AVO Multi-Amp Corporation
 - Total project funding was \$19,507.00
- “Synchronized Sampling for Electric Utility Applications-Phase II”*** Jun 1993-Dec 1993
- Principal Investigator, NASA
 - Total project funding was \$10,000.00
- “Dynamic Testing and Evaluation of New Distance Relays”*** Oct 1990-Dec 1992
- Principal Investigator, Tennessee Valley Authority, TAMU
 - Total project funding was \$49,882.00

- “Synchronized Sampling for Electric Utility Applications Using ACTS”*** Jun 1992-Dec 1992
- Principal Investigator, NASA
 - Co-PIs: Dr. A. D. Patton
 - Total project funding was \$30,688.00
- “Expert System for DFR Analysis”*** Jan 1990-Aug 1992
- Principal Investigator, , HL&P Co., TAMU
 - Total project funding was \$27,240.00
- “Protective Relay Workstation: Applications of a Digital Simulator-Phase I”*** Dec 1989-Jun 1992
- Principal Investigator, EPRI, HL&P Co., Pacific Gas & Electric Co., FPL Co., TAMU
 - Total project funding was \$543,254.00
- “Development of Dynamic Testing Using Multi-Amp EPOCH Test System”*** Aug 1990-Feb 1991
- Principal Investigator, Multi-Amp Corporation
 - Total project funding was \$18,364.00
- “Dynamic Testing Tools for Protection Relays”*** Oct 1988-Oct 1989
- Principal Investigator, Houston Lighting & Power Co., U.S.A.
 - Total project funding was \$25,000.00
- “Evaluation of High Impedance Fault Detection Techniques”*** Jun 1988-Sept 1988
- Senior Research Staff, Electric Power Institute, Texas A&M University, U.S.A.
 - PI: Dr. B. Don Russell
- “Preliminary Design of a Power System Automation Laboratory”*** Sept 1987-May 1988
- Technical Consultant, Electric Power Institute, Texas A&M University, U.S.A.
 - PI: Dr. B. Don Russell
- At Other Universities in the USA (\$20,000.00)**
- “Application of Traveling Wave Fault Locators to Tapped DC Lines”*** May 1987-Aug 1987
- Principal Investigator (with Dr. R. A. Baker), Electric Power Research Institute, U.S.A.
 - Total funding was \$20,000.00
 - Resigned to work for Energoinvest Company

In Bosnia (former Yugoslavia) (\$2,000,000.00)

Principal Investigator. "Integrated Substation Control and Protection System," Science Foundation of Energoinvest Company, Sarajevo. (\$1,300,000.00).	Mar 1982-Aug 1987
Principal Investigator. "New Methods and Tools for Protective Relaying Equipment and System Testing," Science Foundation of Energoinvest Company, Sarajevo. (\$200,000.00).	Nov 1985-Dec 1986
Principal Investigator. (with Dr. J. T. Cain). "Analysis Synthesis and Evaluation of Digital Algorithms for Protective Relaying of Electric Power Systems," National Science Foundation, U.S.A. (\$100,000.00).	Jan 1984-Dec 1986
Principal Investigator. "New Methods and Techniques for Transmission Line Protection," Science Foundation of Republic BiH, Bosnia. (\$100,000.00).	Jun 1984-Jun 1986
Principal Investigator. "Microprocessor-Based Distance Relay," Science Foundation of Republic BiH, Bosnia. (\$100,000.00).	Jun 1984-Jun 1985
Principal Investigator. "New Methods and Technologies for Protective Relaying Systems in H.V. Substations," Science Foundation of Energoinvest Company, Sarajevo. (\$50,000.00).	Jun 1983-Jun 1985
Principal Investigator. "Application of Microprocessors to Control and Protection of Electric Power Systems," Science Foundation of Republic BiH, Bosnia. (\$50,000.00).	Jun 1981-Jun 1983
Principal Investigator. "Feasibility Study of an Integrated Control and Protection System for H.V. Substation Applications," Energoinvest-IRCA, Sarajevo. (\$100,000.00).	Oct 1980-Apr 1981

Note: The equivalent dollar value of all of the projects funded in Bosnia (former Yugoslavia) in local currency was over \$2,000,000.00.

PUBLICATIONS

Books

1. M. Kezunovic, et al., "Design, Modeling and Evaluation of Protective Relays for Power Systems," Springer, ISBN 978-3-319-20919-7, 2016.
2. M. Kezunovic, S. Meliopoulos, S. Venkatasubramanian, V. Vittal, "Application of Time-Synchronized Measurements in Power System Transmission Networks," Springer, ISBN 978-3-319-06218-1, 2014.
3. M. Kezunovic, et al., "Smart Grid Barriers and Critical Success Factors," Chapter on Smart Grids: Infrastructure, Technology, and Solutions, Stuart Borlase, Editor, CRC Press, ISBN 978-1-4398-2905-9, 2012.
4. M. Kezunovic and S. Travis Waller, "Vehicle-Power Grid Interaction for

- Multi-fueling (EBV, PHEV)," R. Meyers, Editor, Chapter on Encyclopedia of Sustainability Science and Technology, Springer, ISBN 987-0-387-89469-0, 2012.
5. M. Kezunovic, "Fundamentals of Power System Protection," Wai-Kai Chen, Editor, The Electrical Engineering Handbook, Chapter on Electric Power Systems, pp 787-804, Elsevier Academic Press, ISBN 978-0-12-170960-0, 2005.
 6. M. Kezunovic, C.C. Liu, J. McDonald, L.E. Smith, "Automated Fault Analysis," IEEE Tutorial, IEEE PES, 2000.
 7. M. Kezunovic, B. Perunicic, "Fault Location," J. G. Webster, Editor, Wiley Encyclopedia of Electrical and Electronics Terminology, Vol. 7, pp 276-285, John Wiley, ISBN 978-0-4713-4608-1, 1999.

Standards

1. M. Kezunovic, et al., "IEEE Standard for Synchrophasor Measurements for Power Systems - Amendment 1: Modification of Selected Performance Requirements," IEEE C37.118.1a-2014.
2. M. Kezunovic, et. al, "IEEE Guide for Synchronization, Calibration, Testing, and Installation of Phasor Measurement Units (PMUs) for Power System Protection and Control," IEEE C37.242-2013.
3. M. Kezunovic, et. al., "IEEE Guide for Phasor Data Concentrator Requirements for Power System Protection, Control and Monitoring," IEEE C37.244-2013.
4. M. Kezunovic, et. al., "IEEE Standard for Synchrophasor Data Transfer for Power Systems," IEEE C37.118.2-2011.
5. M. Kezunovic, et. al., "IEEE Standard for Synchrophasor Measurements for Power Systems," IEEE C37.118.1-2011.
6. M. Kezunovic, et al., "IEEE Standard for Common Format for Event Data Exchange (COMFEDE) for Power Systems," IEEE C37.239-2010
7. M. Kezunovic, et.al, "IEEE Guide for Power System Protection Testing," IEEE Std. C37.233-2009.
8. M. Kezunovic, et al, "IEEE Recommended Practice for Naming Time Sequence Data Files," IEEE Std C37.232-2007.
9. M. Kezunovic, et al, "IEEE Guide for Determining Fault Location on AC Transmission and Distribution Lines," IEEE Std C37.144-2004.
10. M. Kezunovic, et al., "IEEE Standard Common Format for Transient Data Exchange (COMTRADE) for Power Systems," IEEE C37.111-1999.
11. M. Kezunovic, et al., "IEEE Standard Common Format for Transient Data Exchange (COMTRADE) for Power Systems," IEEE C37.111-1991.

Journal Papers

1. P. Dehghanian and M. Kezunovic, "Probabilistic Decision Making for the Bulk Power System Optimal Topology Control," IEEE Transactions on Smart Grid (Accepted).
2. M. Tasdighi, M. Kezunovic, "Automated Review of Distance Relay Settings Adequacy After the Network Topology Changes," IEEE Transactions on Power Delivery (Accepted).
3. A. Esmaeilian, M. Kezunovic, "Impact of Electromechanical Wave Oscillations Propagation on Protection Schemes," Elsevier Journal of Electric Power System Research (Accepted).
4. A. Esmaeilian, M. Kezunovic, "Fault Location Using Sparse Synchrophasor

- Measurement of Electromechanical Wave Oscillations," IEEE Transactions on Power Delivery (Accepted).
5. B. Zhang, M. Kezunovic, "Impact on Power System Flexibility by Electric Vehicle Participation in Ramp Market," IEEE Transactions on Smart Grid, Vol. 7, No. 3, pp. 1285-1294, May 2016.
 6. A. A. P. Biscaro, R. A. F. Pereira, M. Kezunovic, J. R. S. Mantovani, "Integrated Fault Location and Power Quality Analysis in Electric Power Distribution Systems," IEEE Transactions on Power Delivery, Vol. 31, No. 2, pp. 428-436, April 2016.
 7. P. Dehghanian, Y. Wang, G. Gurralla, E. Moreno, M. Kezunovic, "Flexible Implementation of Power System Corrective Topology Control," Electric Power System Research, Vol 128, pp. 79-89, November 2015.
 8. P.-C. Chen, V. Malbasa, Y. Dong, M. Kezunovic, "Sensitivity Analysis of Voltage Sag Based Fault Location with Distributed Generation," IEEE Transactions on Smart Grid, Vol. 6, No. 4, pp. 2098-2106, June 2015.
 9. A. Esmailian, T. Popovic, M. Kezunovic, "Transmission Line Relay Misoperation Detection Based on Time-synchronized Field Data," Electric Power Systems Research, Vol. 125, pp 174–183, April 2015.
 10. B. Matic-Cuka, M. Kezunovic, "Islanding Detection for Inverter-based Distributed Generation using Support Vector Machine Method," IEEE Transactions on Smart Grid, Volume 5, No. 6, pp. 2676-2686, November 2014.
 11. K. E. Martin, G. Brunello, M. G. Adamiak, G. Antonova, M. Begovic, G. Benmouyal, H. Falk, V. Gharpure, A. Goldstein, Y. Hu, C. Huntley, T. Kase, M. Kezunovic, A. Kulshrestha, Y. Lu, R. Midence, J. Murphy, M. Patel, F. Rahmatian, V. Skendzic, B. Vandiver, A. Zahid, "An Overview of the IEEE Standard C37.118.2—Synchrophasor Data Transfer for Power Systems," IEEE Transactions on Smart Grid, Vol. 5, No. 4, pp. 1980-1984, July 2014.
 12. P. Dutta, A. Esmailian, M. Kezunovic, "Transmission-Line Fault Analysis Using Synchronized Sampling," IEEE Trans. Power Delivery, Vol. 29, No. 2, pp. 942-950, April 2014.
 13. T. Popovic, M. Kezunovic, B. Krstajic, "Implementation requirements for automated fault data analytics in power systems," International Transactions on Electrical Energy Systems (in press), Published online in Wiley Online Library DOI: 10.1002/etep.1872, Jan 2014.
 14. M. Kezunovic, "Electric Vehicles Could Offer More Gain than Drain," Electric Energy T&D Magazine, Vol. 17, No. 6, pp. 18-20, Nov/Dec 2013.
 15. M. Kezunovic, "New Trends for Automated Fault and Disturbance Analysis," PAC World, pp. 54-59, June 2013.
 16. T. Popovic, M. Kezunovic, B. Krstajic, "Smart Grid Data Analytics for Digital Protective Relay Event Recordings," Information Systems Frontiers, Springer, June 2013.
 17. C. Zheng, V. Malbasa, and M. Kezunovic, "Regression Tree for Stability Margin Prediction Using Synchrophasor Measurements," IEEE Transactions on Power Systems, IEEE Transactions on Power Systems, Vol.28, No.2, pp.1978-1987, May 2013.
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 19. Y. Guan, M. Kezunovic, "Contingency-based Nodal Market Operation Using Intelligent Economic Alarm Processor", IEEE Trans on Smart Grid, IEEE Trans on Smart Grid, vol.4, no.1, pp.540-548, March 2013.

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21. M. Kezunovic, "The New Substation", *Electric Perspectives Magazine*, EEI , Vol.37, No.6, pp. 23-28, September 2012.
22. M. Kezunovic, "Data Analytics: Creating Information and Knowledge", *Power and Energy Magazine*, IEEE, Vol.10, No.5, pp.14-23, September 2012.
23. T. Popovic, and M. Kezunovic, "Measures of Value: Data Analytics for Automated Fault Analysis," *Power and Energy Magazine*, IEEE , Vol.10, No.5, pp.58-69, September 2012.
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25. M. Kezunovic, J.D. McCalley, and T.J. Overbye, "Smart Grids and Beyond: Achieving the Full Potential of Electricity Systems," *Proceedings of the IEEE*, Vol.100, Special Centennial Issue, pp.1329-1341, May 13 2012.
26. J. Ren, M. Kezunovic, "A hybrid method for power system frequency estimation," *IEEE Transactions on Power Delivery*, Vol. 27, No. 3, pp. 1252-1259, July 2012.
27. J. Ren, M. Kezunovic, "Teaching Protective Relaying Design And Application Using New Modeling And Simulation Tools," *Journal of Energy and Power Engineering*, Vol. 6, No. 5, May 2012.
28. S. Lotfifard, J. Faiz, M. Kezunovic, "Over-Current Relay Implementation Assuring Fast And Secure Operation in Transient Conditions," *Electric Power Systems Research*, Vol. 91, pp 1-8, October 2012.
29. J. Ren, M. Kezunovic, "An Adaptive Phasor Estimator for Power System Waveforms Containing Transients," *IEEE Transactions on Power Delivery*, Vol. 27, No. 2, pp 735-745, April 2012.
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34. M. Kezunovic, "Translational Knowledge: From Collecting Data to Making Decisions in a Smart Grid," *IEEE Proceedings*, 2011, Vol. 99, No.6, pp 977-997, June 2011.
35. S. Lotfifard, M. Kezunovic, M. J. Mousavi, "Distribution Fault Location Using Voltage Sag Data" *IEEE Transactions on Power Delivery*, Vol. 26, No. 2, pp 1239-1246, April 2011.
36. Y. Guan and M. Kezunovic, "Grid Monitoring and Market Risk Management using Intelligent Economic Alarm Processor," *IEEE Intelligent Systems*, Vol. 26, no.2, pp.18-21, March-April 2011.
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- onSmart Grid, Vol 2., No. 1, pp 61-69, March, 2011
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- Relaying,"ELECTRA, No. 225, pp 26-30, April 2006.
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 355. M. Kezunovic, S. Kreso, I. Sarajlic, "Microprocessor-Based Data Acquisition Unit for Digital Protective Relaying Applications," 19th UPEC, Dundee, Scotland, April 1984.
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359. M. Kezunovic, "Microprocessor Applications to Control, Protection and Data Acquisition in Electric Power Distribution Systems," Symposium MIPRO 83, Opatija, Croatia, (in Serbo-Croatian).
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3. M. Kezunovic, et al., "Physical and Cyber Infrastructure to Support the Future Grid: Unresolved Research Problems and Technology Requirements for the Next 10 years," PSerc Report #15-07, October 2015.
4. M. Kezunovic, et al., "Systematic Integration of Large Data Sets for Improved Decision-Making," PSerc Report #15-05, September 2015.
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10. M. Kezunovic, "The Role of PHEV/BEV in Outage/Asset and Demand Side Management", EV-TEC Report #1, April 2013.
11. M. Kezunovic, "How the Use of Data from New Sensors Enhances Reliability," Sub-Report of DOE project "A Real-time Monitoring, Control &

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12. M. Kezunovic, A. Sprintson, A. Abur, “Verifying Interoperability and Application Performance of PMUs and PMU-Enabled IEDs at the Device and System Level,” PSerc Report #12-21, August 2012.
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 19. M. Kezunovic, T. J. Overbye, “Integration of Substation IED Information into EMS Functionality,” PSerc Report #08-25, November 2008.
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36. M. Kezunovic, "Wireless Communications in Substations," PSerc Report #02-46, December 2002.
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Patents & Copyrights

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| "RISC-Based Open-Loop Simulator for Relay Testing – Hardware Installation Manual and I/O System Design Documentation," U.S. Copyright, Reg. No: TX 4-275-951 | May 1996 |
| "Digital Simulator for Real-Time and Open-Loop Relay Testing – Installation Manual," U.S. Copyright, Reg. No: TX 4-275-952 | May 1996 |
| "Digital Simulator for Real-Time and Open-Loop Relay Testing – Software Documentation," U.S. Copyright, Reg. No: TX 4-286-737 | May 1996 |
| "RISC-Based Two Terminal Open-Loop Simulator Application Software-User's Manual," U.S. Copyright, Reg. No: TX 4-298-403 | May 1996 |

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“Real-Time Simulator Doc.,” U.S. Copyright, Reg. No: TX 4-280-248 May 1996

LECTURES

Invited Lectures

1. “Big Data: WHAT, WHY, WHEN and HOW,” The University of Novi Sad, Serbia, April 2016.
2. “Big Data: WHAT, WHY, WHEN and HOW,” EU ADVANTAGE Project Meeting in Novi Sad, Serbia, April 2016.
3. “Big Data: WHAT, WHY, WHEN and HOW,” The University of Sarajevo, Bosnia, April 2016.
4. “Synchrophasor Technology: Benefits and pitfalls,” The State Utility Company of Bosnia, Sarajevo, Bosnia, April 2016.
5. "Synchrophasor Technology: Benefits and Pitfalls," TAMUQ Eminent Scholar Lecture, Doha , Qatar, November, 2015.
6. "Flexible Load: WHY, WHEN and HOW," QEERI, Invited Lecture, Doha, Qatar, November, 2015.
7. "Life-cycle Management of Synchrophasor Systems Through Certification, Commissioning, In-Service Maintenance, Remote Testing, and Risk Assessment," CEPTEL, Brazil, Invited Lecture, Rio de Janeiro, Brazil, October 2015.
8. "Big Data: WHAT, WHY, WHEN and HOW," University of Sarajevo, IEEE DLP Invited Lecture, Sarajevo, Bosnia, October 2015.
9. "Energy Cyber-Physical Systems: What's Next," ICAT 2015, Keynote Talk, Sarajevo, Bosnia, October, 2015.
10. "Understanding Cascading Phenomenon: Methodologies and Industry Practice for Analysis of Cascading Failures," IEEE PES GM 2015 Tutorial, Denver, CO, July 2015.
11. “Big Data: What, why, when and how,” Keynote talk, POWERENG 2015 - 5th International Conference on Power Engineering, Energy and Electrical Drives, Riga, Latvia, May. 2015.
12. "System in the Loop: The Next Generation of Cyber-Physical Testbeds," Invited Lecture, Tenth Carnegie Mellon Conference on the Electricity Industry, Pittsburgh, PA, USA, Mar. 2015.
13. "TEES Smart Grid Center - Overview," Invited Lecture, Smart Grid and Renewable Energy Workshop, Qatar, Mar. 2015
14. “Big Data: What, why, when and how,” Keynote talk, IEEE MedPower Conference, Athens, Greece, Nov. 2014.
15. “Big Data: What, why, when and how,” Keynote talk, IEEE Frontiers of Power Systems Conference, Oklahoma State University, Stillwater, Nov 2014.
16. “Big Data: What, why, when and how,” Invited Lecture, Shermco Industries SIMS Conference, Houston, September, 2014.
17. “Flexible Load: why, when and how,” IEEE Distinguished Lecture, The University of Rome La Sapienza, Rome, Italy, May 2014.
18. “Flexible Load: why, when and how,” IEEE Distinguished Lecture, The University of Split, Split, Croatia, May 2014.
19. “Flexible Load: why, when and how,” IEEE Distinguished Lecture, The University of Ljubljana, Ljubljana, Slovenia, May 2014.
20. “Robust Power System Operation: Needs and Solutions,” Keynote talk, IEEE

- EnergyCon, Dubrovnik, Croatia, May, 2014.
21. "The Lay of the Land: Energy Cyber-physical systems," Invited Lecture, Tsinghua University, Beijing, China, April, 2014.
 22. "EMS-NEXT", Invited Lecture, New York ISO, February, 2014.
 23. "Energy Cyberphysical Systems: The Lay of the Land," Invited Lecture, NSF Workshop on Energy Cyberphysical Systems, Arlington, VA, December 16, 2013.
 24. "Synchronphasor Technology: Benefits and Pitfalls," Invited Lecture, COPPE Workshop, Federal University of Rio de Janeiro, Brazil, December 4, 2013.
 25. "Smart Grid: Opportunities and Challenges," Invited Lecture, Xi'an Jiao Tong University, China, October 8, 2013.
 26. "Smart Uses of Data in Smart Grids," Keynote talk, ISGC&E, Jeju Island, Korea, July 2013.
 27. "Smart Uses of Smart Grid Data," Keynote talk, IEEE EURUCON 2013, Zagreb, Croatia, July 2013.
 28. "Temporal and Spatial Properties and Uses of Power System Data," Invited Lecture, University of Washington, Seattle, Washington, April 2013.
 29. "Smart Grid Goals: Transition from Legacy to New Solutions," Distinguished Speaker Invitation, The National University of Taiwan, Taipei, Taiwan, November 2012.
 30. "Smart Grid Goals: Opportunities for Innovation," Invited lecture, Jangtze Delta Region Institute of Tsinghua University, Zhejiang, China, Oct 2012.
 31. Series of three invited lectures at the North China Electric Power University, "Data Uses in Smart grids", "Spatial and Temporal Properties of Smart Grid Data", "A Fast Stability Classification Scheme Based on Classification and Regression Trees," Beijing, China, Oct 2012.
 32. "Smart Grid Applications in the World and in Alberta," Distinguished Speaker Invitation, Calgary IEEE Section, Canada, September 2012.
 33. "Translational Knowledge: From Collecting Data to Making Decision in a Smart Grid," The Istanbul Technical University, Turkey, June 2012.
 34. "Temporal and Spatial Characteristics of Power System Data," Los Alamos National Lab Workshop, Santa Fe, March 2012.
 35. "The 21st Century Smart grid: Current Developments, Future Opportunities, and Challenges," IEEE Section, Calgary, Canada, March 2012.
 36. "EV-TEC: Transportation and Electricity Convergence," Electric Vehicle Workshop, University of New South Wales, Sydney, November 2011.
 37. "Future Challenges and Opportunities in Smart Grid Automation and Protection," APAP Conf., Beijing, China, October 2011.
 38. "Smart Grid Integration, Interoperability, and Methodologies," Joint Critical Infrastructure Partnership Symposium, Houston, August, 2011.
 39. "Multiple Uses of Substation Data," REE, Madrid, Spain, June 2011.
 40. "Interoperability: Blessing with a Curse," i-PC Grid Workshop, San Francisco, March/April, 2011.
 41. "The Smart Grid Data "Explosion": Translational Knowledge Challenge," Los Alamos National Lab, December, 2010.
 42. "The Smart grid: Opportunities and Challenges," The University of Cyprus, Cyprus, Nov 2010.
 43. "The Smart Grid: Opportunities and Challenges," Invited Plenary Talk, Modern Electric Power Systems Symposium, Wroclaw, Poland, September, 2010.
 44. "PHEV/BEVs Transportation and Electricity Convergence," Public Utility

- Commission, Austin, Texas, May, 2010.
45. "New Role of Smart grid Testing: Smart Risk Mitigation," i-PCGRID Conference, San Francisco, March, 2010.
 46. "The Smart Grid: Opportunities and Challenges," The King Saudi University, Saudi Arabia, February, 2010.
 47. "Interoperability: Synchronized Sampling Framework for Monitoring Application," i-PC Grid Workshop, San Francisco, March, 2009.
 48. "The Smart Grid Solutions for Monitoring, Control and Protection in the Transmission Grid," IEEE Lecture, The National Technical University of Athens, Athens, Greece, October 2008.
 49. "Automated Fault Analysis," IEEE Lecture, UAE Section, Abu Dhabi, UAE, March 2008.
 50. "Asset Management Improvements: Condition-Based Maintenance and Risk Based Maintenance Scheduling," IEEE Lecture, UAE section, Al Alain, UAE, March 2008
 51. "Uses of Operational and Non-operational Data," Egyptian Electricity Company, Cairo, Egypt, March 2008.
 52. "Automated Fault Analysis," IEEE Distinguished Lecture, IEEE Vancouver Section, BC, Canada, February 2008.
 53. "The Temporal and Spatial Properties of Power System Field Recorded Data," Arizona State University, Phoenix, AZ, USA, February, 2008.
 54. "Synchronized Sampling Applications for the 21st Century Power Systems," Series of five Invited lectures at Electric Power Research Institute, Xi'an Jiao Tong University, Shanghai Jiao Tong University, Tsinghua University, and Zhejiang University, People's Republic of China, November 2007.
 55. "The Electricity System of the 21st Century," China Light and Power, Hong Kong, October 2007.
 56. "The Temporal and Spatial Properties of Power System Field Recorded Data," Invited Lecture, The University of New South Wales, Sydney, Australia, May 2007.
 57. "The Electricity System of the 21st Century," Invited Lecture, The University of Adelaide, Australia, May 2007.
 58. "The Temporal and Spatial Aspects of Power System Field-Related Data," Invited lecture, Georgia Institute of Technology, October 2006.
 59. "The Temporal and Spatial Considerations of Monitoring, Control, and Protection of Power Systems," a series of two lectures at the University of Novi Sad and Belgrade, and the Electric Utility Company of Serbia-EPS, February 2006.
 60. "The Electricity Systems of the 21st Century," a series of two lectures at University of Auckland and University of Canterbury, New Zealand, November 2005.
 61. "New Research Areas in Protection and Control", a series of six lectures given at the following universities in China: Tsinghua, Dalian, North China Power, Xi'an JiaoTong, Shanghai JiaTong, South China Institute of Technology, August 2005.
 62. "New Research Areas in Protection and Control", Central Research Institute of Electric Power Industry (CRIEPI), Japan, August 2005.
 63. "New Research Areas in Protection and Control," The University of Hong Kong, Hong Kong, August 2005.
 64. "Integrating Data and Sharing Information from IEDs" Electric Utility Company of Serbia-EPS, Belgrade, Serbia, January 2005.

65. "Future of Communications in the Utilities" Electric Utility Company of Serbia-EPS, Belgrade, Serbia, March 2004.
66. "New Communication Technologies and Standards," Workshop Electric Utility Company of Province of Vojvodina, Novi Sad, Serbia, March 2004.
67. "Overview of PSerc Research: T&D Technology Research Stem," Workshop on Electricity interconnection AIT, Bangkok, Thailand, January 2004.
68. "New Communication Technologies and Standards," Elektrotehnicki Fakultet, Sarajevo, Bosnia and Hercegovina, December 2003.
69. "Advanced Substation Automation Applications," ABB Corporate Research Center, Bern, Switzerland, July 2003.
70. "Neural-Fuzzy Pattern Recognition Algorithm for Classifying the Events in Power System Networks," Temple University, Philadelphia, March 2003.
71. "Research Issues Related to Future Trends in Protective Relaying, Substation Automation, Testing and Related Standardization," Hong Kong Polytechnic University, Hong Kong, November 2002.
72. "Power System Control and Protection: Research Status and Future Trends," IEEE Section, University of Belgrade, Serbia, July 2002.
73. "Protective Relay Performance Characteristics and Behavior," Invited Speaker, IEEE Section, Paris, France, March 2000.
74. "Protective Relay Testing Methodology and Tools," Invited Speaker, IEEE Section, Paris, France, March 2000.
75. "Technical Activities in the Power Systems Relaying Committee of IEEE," Invited Speaker, IEEE Section, Paris, France, November 1999.
76. "Automated Fault Analysis," Invited Speaker, IEEE Section, Paris, France, November 1999.
77. "Advancements in Protective Relaying, Monitoring and Testing," Invited Speaker, IEEE Section, Amarillo, April 1999.
78. "Relay Assistant Software for Transient Testing of Protective Relays," AVO International Technical Conference, Invited Paper, Dallas, September 1998.
79. "Future Uses of Digital Simulators in the Protective Relaying Research," Invited Presentation, IEEE Section, Monterrey, Mexico, May 1996.
80. "Design Testing of Distance Relays," AVO International Technical Conference, Invited Paper, Dallas, Texas, August 1995.
81. "Recent Trends in the Power Industry in the USA," Texas A&M Center in Mexico D.F., Mexico, May 1995.
82. "Digital Simulators Research and Development at Texas A&M University," Instituto de Investigaciones Electricas, Cuernavaca, Mexico, May 1995.
83. "New Approaches to Automated Fault Analysis for Operators in Control Centers," Siemens-Empros Power Systems Control, Minneapolis, Minnesota, March 1995.
84. "Development of Digital Simulators for Relay Testing," Nanjing Electric Power Automation Equipment General Factory, Nanjing, The People's Republic of China, October 1994.
85. "New Research Directions in Protective Relaying," Hauzhong University of Science and Technology, Wuhan, The People's Republic of China, October 1994.
86. "Advanced Research Topics in Protective Relaying," Tianjin University, Tianjin, The People's Republic of China, October 1994.
87. "New Approaches to Monitoring of Power Systems," Electricite de France, Paris, France, September 1994.
88. "New Digital Simulator Designs," Electricite de France, Paris, France,

- September 1994.
89. "Advances in Digital Simulator Developments," Red Electrica de Espana, Madrid, Spain, May 1994.
 90. "Intelligent System Applications to Fault Analysis," Red Electrica de Espana, Madrid, Spain, May 1994.
 91. "Digital Simulators for Relay Testing," CEPEL Electric Power Research Institute, Rio de Janeiro, Brazil, November 1993.
 92. "Intelligent System Applications to Fault Analysis," CEPEL-Electric Power Research Institute, Rio de Janeiro, Brazil, November 1993.
 93. "Applications of Synchronized Sampling," CEPEL-Electric Power Research Institute, Rio de Janeiro, Brazil, November 1993.
 94. "New Designs of Digital Simulators for Relay Testing," GEC Alstom Measurements, Stafford, England, August 1993.
 95. "Digital Simulators for Relay Testing," ABB Power T&D Company, Coral Springs, Florida, June 1993.
 96. "Digital Simulator Requirements," IEEE Power Engineering Society, Protective Relaying Committee, Vancouver, British Columbia, Canada, May 1993.
 97. "Advanced Research in Control and Protection," ABB Transmission Technology Institute, Raleigh, North Carolina, May 1993.
 98. "Digital Simulators for Relay Testing," Commonwealth Edison, Chicago, Illinois, April 1992.
 99. "Transient Testing of Protection Relays," Multi-Amp Users Conference, Invited Paper, Dallas, Texas, August 1991.
 100. "Expert System Applications to Monitoring, Control and Protection," ABB Research Center, Baden, Switzerland, August 1990.
 101. "Integrated/Coordinated Substation Systems," ABB Research Center, Baden, Switzerland, August 1990.
 102. "Expert System Applications to Control and Protection," IEEE PSRC, WG on Expert Systems, Montreal, Canada, May 1990.
 103. "TAMU R&D Activities in Protective Relaying," IREQ, Montreal, Canada, May 1990.
 104. "TAMU R&D Activities in Protective Relaying," Ontario Hydro, Toronto, Canada, May 1990.
 105. "DYNA-TEST Simulator Application to Relay Testing," Multi-Amp Users Conference, Invited Paper, Dallas, Texas, September 1989.
 106. "Integrated Control and Protection for Electric Power Systems," IEEE Invited Lecture, Pittsburgh Section, University of Virginia, January 1989.
 107. "New Trends in Microprocessor Applications to Control and Protection," series of 3 day presentations given at Mitsubishi, Toshiba and CRIEPI, Japan 1988.
 108. "Integrated Solution for Relaying, Local and Remote Control in H.V. Substations," Invited Paper, YU CIGRE, Croatia, November 1988.
 109. "Microprocessor Applications to Control and Protection," CEPEL, Brazil, July 1985.
 110. "Microprocessor-Based Relaying Equipment," Energoinvest Company, Electric Power Institute, Bosnia, 1985.
 111. "Application of Microprocessors to Protective Relaying," ISKRA Company, Slovenia, 1982.
 112. "Integrated Control and Protection Systems," Institute Mihailo Pupin, Yugoslavia, 1981.
 113. "Microprocessor Applications to Control and Protection," Energoinvest

Company, Institute for Control and Computer Sciences, Bosnia, 1980.

Short Courses/Seminars/Tutorials

1. "Wide Area Protection, Communication and Control in Energy Systems," Tutorial, IEEE PES Conference on Innovative Smart Grid Technologies, Washington, DC, USA, Feb. 2015.
2. "Multiple Uses of Substation IED Data for Future Grid Applications," Grid of the Future Symposium, Houston, Texas, October 2014.
3. "Energy Management System: Transition from Legacy to Future Design," Independent System Operator, New England, June 2013.
4. "Synchrophasor Technology: Benefits and Pitfalls," IEEE Region 5, Austin, March 2013.
5. "Tomorrow's Smart Grid: The Business Value of Interoperability", Seminar sponsored by Electrix, New Zealand, Oct 2012.
6. "PMU Laboratory, Commissioning and Field Testing," WAMS Short Course, University of Sannio, Benevento, Italy, November 2010.
7. "Protective Relaying Seminar: New Developments in Protective Relaying," IEEE Iowa Illinois Section, October 2010.
8. "Smart Grid: Intelligent Transmission and Distribution," Q1 Productions Industry Seminar, Miami, March, 2010.
9. "Integration of Asset and Outage Management Tasks for Distribution Applications," PSerc Tele-seminar, April 2010.
10. "Automated Fault Analysis," The King Saud University, Saudi Arabia, March 2010.
11. "Integration of Operational and Non-operational Data for Improved EMS Monitoring," PSerc Tele-seminar, November 2008.
12. "Distribution Automation," Dubai World Central, Dubai, UAE, March 2008.
13. "Automated Fault Analysis and Fault Location," South China University of Technology, Guangzhou, People's Republic of China, November 2007.
14. "Automated Fault Analysis and Fault Location," The University of Adelaide, Australia, May 2007.
15. "Uses of Operational and Non-operational Data," Research Seminar, Texas A&M University Qatar, Qatar, March 2007
16. "Uses of Operational and Non-operational Data," Research Seminar, UAE IEEE Section, Abu Dhabi, March 2007
17. "Real-Time Monitoring of Cascading Events," PSERC Tele-Seminar, March 28, 2006.
18. "Automated Fault Analysis," Electrix, New Zealand, November 2005.
19. "Use of Operational and Non-Operational Data in Utilities," Electrix, New Zealand, November 2005.
20. "Uses of Substation Data for Improved Operation and Maintenance," PSerc Tele-Seminary, October 5, 2005.
21. "Wide Area Disturbance Monitoring and Protection Schemes", Decision Systems International, Seminar for Korea Power Exchange, San Francisco, October 2005.
22. M. Kezunovic, S. Meliopoulos, "PSerc Tutorial on Dynamic Disturbances Recorders," Duke Power, Atlanta, July 2004.
23. "Evaluating Protective Relay Operation Through Testing," PSerc Tele-Seminar, April 6, 2004
24. "New Research and Developments in Utility Communications," Brain Gain Program Elektrotehnicki Fakultet, Sarajevo, Bosnia and Hercegovina,

- December 2003.
25. "Management of Relaying and Control Assets," Short Course, EPRI, November 2003
 26. "R&D in T&D," Invited Seminar, Electrix, New Zealand, October 2003.
 27. "Current Research Issues in Protective Relaying," Invited Seminar, CRIEPI, Japan, November 2002.
 28. "The Research Agenda in Protective Relaying and Control," TM T&D Company, Japan, November 2002.
 29. "Application of Artificial Intelligence in Fault Analysis," Invited Tutorial, IEEE T&D Conference, Japan, November 2002.
 30. M. Kezunovic, A. Bartylak, R. Zivanovic, "Automated Fault Analysis and Fault Location," Invited Tutorial, ESKOM, South Africa, June 2002.
 31. M. Kezunovic, C.C. Liu, S. McArthur, "Fault Analysis Tutorial," IEEE PES Winter Meeting, New York, January 2002.
 32. "Advanced Engineering Tools for Protection Engineers," Invited Seminar, Electrix, New Zealand, December 2000.
 33. M. Kezunovic, A. Abur, C.C. Liu, S. McArthur and L. Smith, "Fault Analysis Tutorial", IEEE PES Summer Meeting, Seattle, July 2000.
 34. M. Kezunovic, A. Abur, G. Huang, "Protective Relay Testing Using EMTP and Digital Simulators," Short Course, Texas A&M University, May 2000.
 35. M. Kezunovic, A. Abur, "MatLab for Power Engineers," Short Course, Entergy Services, New Orleans, August 1999.
 36. "Protective Relay Testing Using EMTP and Digital Simulators," Short Course, Texas A&M University, College Station, May 1999.
 37. M. Kezunovic, A. Abur, "Selected Advanced Topics in Digital Simulators, Protective Relay Testing, Substation Equipment Design and Fault Analysis," Short Course, Universidade Federal de Pernambuco, Recife, Brazil, August 1998.
 38. M. Kezunovic, A. Abur, "Protective Relay Testing Using EMTP and Digital Simulators," Short Course, Texas A&M University, College Station, June 1998.
 39. "Real-Time Simulators and Modeling of Electric Transmission System," Short Course, Harza Engineering, Chicago, May 1997.
 40. "Recent Developments in Protective Relaying," Short Course, ESKOM, Johannesburg, South Africa, November 1996.
 41. "New Trends in Protective Relaying," 15 week course recorded on a videotape, Continuing Education Program, Washington State University, 1986-87.
 42. "Digital Algorithms for Protective Relaying," Energoinvest Company, Factory for Relaying, 5-day Short Course, Bosnia, 1985.
 43. "Digital Communication Techniques for EMS Applications," Energoinvest Company, Institute for Computer and Information Systems, Bosnia, 5-day seminar, 1981.

VISITING SCHOLARS

Dr. Jonatas Boas Leite, São Paulo State University, Brazil	2016-Present
Dr. Xiaochen Du, PostDoc, China	2015
Dr. Vuk Malbasa, University of Novi Sad, Serbia	2012/2013
Dr. Gurunath Gurala, PostDoc, GE Global Research, India	2012/2013
Dr. Peter Imris, PostDoc, Poland	2012/2013
Dr. Huifang Wang, Zhejiang University, China	2012/2013
Mr. Andre A. P. Biscaro, Sao Paulo State University, Brazil	2011/2012

Dr. Yan Liu, North China Electric Power University, China	2010/2011
Mr. Ozgur Gonen, Texas A&M University	2009
Dr. Neso Mijuskovic, Transmission System Operator of Serbia	Fall 08
Mr. Deng Xianda, Tsinghua University, China	2008
Ms. Dian Khalifa, Cairo University, Egypt	2007/2008
Ms. Biljana Matic, University of Novi Sad, Serbia	2007
Dr. Soon-Ryul Nam, Myongji University, Korea	2007/2008
Mr. Rodrigo A.F. Pereira, Sao Paulo State University, Brazil	2005/2006
Dr. P. Zhang, Shanghai Jiaotong University, China	2005/2006
Dr. F. Gul Bagriyanik, Istanbul Technical University, Turkey	2001/2002
Dr. S. Luo, Tianjin University, China	2000-2002
Dr. J.B. Lee, Wonkwang University, Korea	1998/1999
Dr. B. Kasztenny, The Wroclaw Technical University, Poland	1997-1999
Dr. Lj. Kojović, Energoinvest Company, Bosnia	6/89-8/89; 4/90-9/90; 4/91-2/93
Dr. M. Aganagić, Energoinvest Company, Bosnia	1992/1993
Dr. B. Peruničić, University of Sarajevo, Bosnia	Summer, Fall 1992