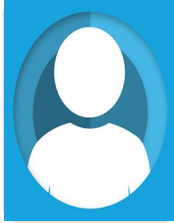




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Supervised PhD Theses

#	Thesis title	By	Date
1	Analysis of EM interactions between an AC current-carrying inducer and a surface crack on a cylindrical conductor in thin-skin regime and solving the respective inverse problem	Ali Akbari Khezri & S.H.H. Sadeghi	February 2015
2	Lossy-Ground Impact in Nonlinear Modelling of Lightning Return Stroke in Vicinity of Tall Towers	Seyed Hasan Seyedmoosavi & S.H.H. Sadeghi	July 2010
3	Modeling and Analysis of electromagnetic fields around an arbitrary-shape surface-crack in a metallic slab due to arbitrary-shape current-carrying wires and solving	Maryam Ravan & S.H.H. Sadeghi	January 2007
4	A Hybrid Time-Domain (MoM+FD) Method for Analyzing EM Field Distributions Around Human Head Radiated by a Mobile Handset	Reza Sarraf - Shirazi & S.H.H. Sadeghi	November 2006
5	Modeling and analysis of electromagnetic fields around arbitrary-shape surface cracks in metals, excited by an open-ended rectangular waveguide	Farhad Mazlumi & S.H.H. Sadeghi	April 2005
6	A hybrid method for analyzing electromagnetic fields around surface cracks due to ac current carrying wires with arbitrary geometry	Amir Hosein Salemi & S.H.H. Sadeghi	October 2004

Supervised MSc Theses

#	Thesis title	By	Date
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1	Cost and protection coordination integrated optimal placement and sizing of distributed generation sources in distribution networks	Aliakbar Farahani & S.H.H. Sadeghi	September 2021
2	Modeling and analysis of field distribution around a fatigue crack in a conducting cylinder excited by a wire-carrying inducer	Hussein Behzadipour & S.H.H. Sadeghi	April 2021
3	Analysis of the impact of communication latency on adaptive protection schemes of microgrids	Amir Mohammad Nakhaee & S.H.H. Sadeghi	April 2021
4	optimal locating of surge arresters in a power grid considering the wide-band model of grounding system	Mohammad Hossein Nashiba Iraqi & S.H.H. Sadeghi	July 2020
5	Recovery of the source current of an antenna covered by a composite radome	Amir Reza Azadi Charab & S.H.H. Sadeghi	February 2020
6	Microgrid Protection, Considering the Control Parameters of Distributed Generations	Mostafa Rahmazadeh & S.H.H. Sadeghi	February 2019
7	Expediting the Calculation of Grounding System Admittance Matrix, Using Function Approximation Techniques	Soheil Rahnamayian Jelodar & S.H.H. Sadeghi	February 2019
8	Characterization of Crack in Metal by Scanning Concentrated Electromagnetic Waves, using an Open-ended Rectangular Waveguide Probe	Mohammadreza Yousefpanah & S.H.H. Sadeghi	January 2019
9	transient behavior of distributed generation & its impact on fault detection indices in distribution networks.	Reza Lahout Garebag & S.H.H. Sadeghi	February 2018
10	Protection coordination of distribution networks with distributed generation source in various operational modes	Reza Rahmani & S.H.H. Sadeghi	February 2018
11	Robust placement of fcl in DG networks	Navid Bayati & S.H.H. Sadeghi	February 2017
12	Improving the Accuracy of Near Field Measurements Using Signal Processing Techniques for Use in Source Reconstruction Technique	Seyed Mojtaba Seyed Rezazadeh & S.H.H. Sadeghi	November 2015
13	"Increasing the Accuracy of Distance Protection Using Fundamental Harmonic Extraction"	Shima Sadraeefar & S.H.H. Sadeghi	February 2015
14	Power Ramp Control Of wind Turbine Considering Wind Speed Prediction	Saba Shahraini & S.H.H. Sadeghi	October 2014
15	Analysis and Modelling of Grounding System in a Solar Cell for the Protection of Electronic Apparatus against Lightning Currents	Naime Ahmadi Najafabadi & S.H.H. Sadeghi	October 2014
16	" Resistive and inductive fault current limiters optimal setting and placement "	Hossein Bahramian & S.H.H. Sadeghi	October 2013
17	shielding effectiveness analysis of a perforated metallic enclosure by solving time domain	Mahshid Zoghi & S.H.H. Sadeghi	February 2013
18	design and development of a 2-d array probe for detection and sizing surface defects in metals using the acfm method	Mohammad Sharifi & S.H.H. Sadeghi	February 2013
19	investigation of the effect of the lightning electromagnetic fieldes on complex networks using parallel fdtd	Meysam Namdari & S.H.H. Sadeghi	January 2013

20	Protection of Microgrid Using direction Element Assisted Communication	Ehsan Khoob & S.H.H. Sadeghi	November 2012
21	solving inverse problem of electromagnetic field around an arbitray-shape crack excited by an open-ended rectangular waveguide to estimate crack shape using forward method with circuit model	Morteza Emamgholi Pour & S.H.H. Sadeghi	October 2012
22	modeling of the lightning strikes to elevated structures	Maryam Hajebi & S.H.H. Sadeghi	September 2012
23	A multi objective supervisory control strategy for a grid-connected wind-connected wind-turbining using an ultra capacitor energy storage system	Farideh Doostmohammadi & S.H.H. Sadeghi	July 2012
24	Susceptibility modeling and analysis of printed circuit boards inside a perforated shielding enclosure by hybrid methods	Mohammad Azadi Far & S.H.H. Sadeghi	June 2012
25	Accurate modeling of grounding system for incorporation in EMTP	Reza Kazemi & S.H.H. Sadeghi	February 2012
26	Analysis of electromagnetic field distributions around neighboring surface cracks in metals induced by ACcurrent carrying wires of arbitrary shape	Ehsan Kazemi Vali Pour & S.H.H. Sadeghi	February 2012
27	Evaluation ofconducted noise in printed circuit boards containing switched-modepower supplies: theory and experiment	Mozhgan Salehi & S.H.H. Sadeghi	January 2012
28	Analysis, modeling and measurement of the effect of Visa on SIW probes: Applications in non-destructive evaluation of metals	Seyed Ahmad Afsah Rezvani & S.H.H. Sadeghi	June 2011
29	Connection of a hybrid fuel cell/PV generation system to distributed power network	Yahya Kabiri Renani & S.H.H. Sadeghi	January 2011
30	Optimization of electric energy in an industrial network by placement appropriate filters for reducing harmonic distortions	Vahid Farahani & S.H.H. Sadeghi	November 2010
31	Numerical Solution of Electric Field Integral Equation in Time Domain Using Wavelets: Applications to Radiation of Wire Structures	Javad Feizollah & S.H.H. Sadeghi	October 2010
32	A combined circuit-MOM technique for modeling coaxial output signals when scanning a crack in conducting slab	Hossein Maftoli & S.H.H. Sadeghi	July 2010
33	The Use of Nonliner Methods for optimal Design of Grounding Systems	Roya Sadat Nikjoo & S.H.H. Sadeghi	January 2010
34	The use of moment method for analysis of multi - layer grounding systems in ststicc regimes	Sam Zaker & S.H.H. Sadeghi	July 2009
35	Modeling and analysis of electromagnetic fields around surface cracks in metals excited due to a substract integrate waveguide(SIW)	Naser Gharanfeli & S.H.H. Sadeghi	July 2009
36	optimized Method for detection of Flicker Sources in the Power Net work by Analysis of Power Flicker Propagation Direction	Naghi Moaddabipirkolachahi & S.H.H. Sadeghi	November 2008
37	Optimum Setting and Coordination of O vercurrent protection Considering Cable Damage curve	Seyed Mohammad Moosavi Agah & S.H.H. Sadeghi	September 2008
38	modeling and analysis of electromagnetic fields around surface cracks in metalsT excited by an coaxial pobe	Iman Ahanian & S.H.H. Sadeghi	July 2008
39	SAFETY FACTORS CALCULATIONS OF A CROUNDING SYSTEM IN VICINITY OF METALLIC STRUCTURES, DUE TO CLOUS-TO-GROUND LIGHTNING C	Ebrahim Amiri & S.H.H. Sadeghi	February 2008

40	CALCULATION OF INDUCTANCE OF FLEXIBLE CABLES AND ELECTRODE ARMS IN AN ELECTRIC ARE FURNACE FOR IMPROVING ITS CONTROL SYS	Hamid Khoshkhou & S.H.H. Sadeghi	October 2007
41	DESIGN AND DEVELOPMENT OF A LIGH FREQUENCY GROUNDING IMPEDANCE MEASUREMENT INSTRUMENT (CURRENT INJECTION SOURCE UNIT)	Mahdi Hajizadeh & S.H.H. Sadeghi	November 2006
42	DESIGN AND DEVELOPMENT OF A HIGH FREQUENCY GROUNDING IMPEDANCE MEASUREMTN INSTRUMENT	Homayon Rahimi Mir Azizi & S.H.H. Sadeghi	November 2006

Books

#	Title	Author(s)	Publisher country	publication date	version
Portal Records					
1	Power System Harmoincs	S.H.H. Sadeghi, Artin Der Minasians, Shahram Montaser Kouhsari	Iran (Islamic Republic of)	June 2011	2
2	Lightning Electromagnetics	Rouzbeh Moini Mazandaran, S.H.H. Sadeghi	United Kingdom	July 2012	1

Journal Papers

Portal Records

- Mojtaba Maddahali, S.H.H. Sadeghi, "An Efficient Full-Wave Method for Analyzing the Radiation Pattern of an Antenna Enclosed by an Axisymmetric Radome", IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, April 2021 Vol. 65, Num. 0, Page 1-8, April 2021,
- S. A. Hosseini, S.H.H. Sadeghi, A. Nasiri, "Decentralized Adaptive Protection Coordination based on Agents Social Activities for Microgrids with Topological and Operational Uncertainties", IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, October 2020 Vol. 0, Num. 0, Page 1-12, October 2020,
- Seyed M. Taghavi, Saeed R. Ostadzadeh, S.H.H. Sadeghi, "An efficient spectral balance method for transient analysis of single phase overhead lines in the presence of surge arresters", INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS, September 2020 Vol. 0, Num. 0, Page 0-0, September 2020,
- Seye Sajad Sajadi, Saeed Reza Ostadzadeh, S.H.H. Sadeghi, "Parametric dependence of lightning impulse behavior of grounding electrodes buried in a dispersive and ionized lossy soil under first- and subsequent-stroke currents", COMPEL-THE INTERNATIONAL JOURNAL FOR COMPUTATION AND MATHEMATICS IN ELECTRICAL AND ELECTRONIC ENGINEERING, May 2020 Vol. 39, Num. 4, Page 0-0, May 2020,
- Teimour Heidari, S.H.H. Sadeghi, "Output Signal Prediction of an Eddy-Current Probe When Scanning Arbitrary-Shape Surface Cracks in Metals", IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, May 2020 Vol. 69, Num. 6, Page 3761-3769, May 2020,
- Reza Rahmani, S.H.H. Sadeghi, Seyed Amir Hosseini, "An Adaptive Protection Scheme for Distribution Networks with Distributed Generation Sources in Various Operational Modes", Majlesi Journal of Electrical Engineering, March 2020 Vol. 14, Num. 1, Page 107-118, March 2020,
- Mojtaba Maddahali, S.H.H. Sadeghi, Mojtaba Dehmollaian, "Efficient Method for Calculating the Shielding Effectiveness of Axisymmetric Multilayered Composite Enclosures", IEEE TRANSACTIONS ON ELECTROMAGNETIC COMPATIBILITY, February 2020 Vol. 0, Num. 0, Page 0-0, February 2020,
- Ali Akbari Khezri, S.H.H. Sadeghi, "Determination of Crack Depth Profile in Cylindrical Metallic Structures, Using Alternating Current Field Measurement Data", JOURNAL OF NONDESTRUCTIVE EVALUATION, May 2019 Vol. 0, Num. 0, Page 0-0, May 2019,

- 9 Ali Asghar Khodadoost Arani, Navid Bayati, Reza Mohammadi Chabanlo, Gevork B. Gharehpetian, S.H.H. Sadeghi, "Fault Current Limiter Optimal Sizing Considering Different Microgrid Operational modes Using Bat and Cuckoo Search Algorithm", *Archives of Electrical Engineering*, June 2018 Vol. 67, Num. 2, Page 321-332, June 2018,
- 10 Mojtaba Maddahali, S.H.H. Sadeghi, Mojtaba Dehmollaian, "A Method of Moments for Analysis of Electromagnetic Scattering from Inhomogeneous Anisotropic Bodies of Revolution", *IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION*, April 2018 Vol. Early Access, Num. 0, Page 0-0, April 2018,
- 11 S.A.H. Hossein Askarian Abyaneh, S.H.H. Sadeghi, Reza Eslami, "Improving Adaptive Protection to Reduce Sensitivity to Uncertainties Which Affect Protection Coordination of Microgrids", *IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF ELECTRICAL ENGINEERING*, April 2018 Vol. 42, Num. 1, Page 63-74, April 2018,
- 12 Reza Eslami, S.H.H. Sadeghi, Hossein Askarian Abyaneh, "Fault detection in microgrids using positive, negative and zero sequences of voltage and current waveforms considering uncertainties of network topology", *Iranian Electric Industry Journal of Quality and productivity*, February 2018 Vol. 6, Num. 12, Page 107-121, February 2018,
- 13 S.A.H. Hossein Askarian Abyaneh, S.H.H. Sadeghi, Reza Eslami, F.R, "A Decision-Tree Scheme for Responding to Uncertainties in Microgrid Protection Coordination", *ELECTRIC POWER COMPONENTS AND SYSTEMS*, January 2018 Vol. 46, Num. 1, Page 69-82, January 2018,
- 14 Reza Eslami, S.H.H. Sadeghi, Hossein Askarian Abyaneh, "A Probabilistic Approach for Evaluation of Fault Detection Schemes in Microgrids", *Engineering, Technology & Applied Science Research*, October 2017 Vol. 7, Num. 5, Page 1967-1973, October 2017,
- 15 Seyed Amir Hosseini, Hossein Askarian Abyaneh, S.H.H. Sadeghi, Farzad Razavi, "Evaluation of effectiveness of uncertainty in communication links on the adaptive protection schemes", *Iranian Electric Industry Journal of Quality and productivity*, September 2017 Vol. 5, Num. 10, Page 8-19, September 2017,
- 16 Reza Eslami, S.H.H. Sadeghi, Hossein Askarian Abyaneh, Adel Nasiri, "A Novel Method for Fault Detection in Future Renewable Electric Energy Delivery and Management Microgrids, Considering Uncertainties in Network Topology", *ELECTRIC POWER COMPONENTS AND SYSTEMS*, June 2017 Vol. 45, Num. 10, Page 1118-1129, June 2017,
- 17 Navid Bayati, S.H.H. Sadeghi, Seyed Amir Hosseini, "Optimal Placement and Sizing of Fault Current Limiters in Distributed Generation Systems Using a Hybrid Genetic Algorithm", *Engineering, Technology & Applied Science Research-OPEN*, January 2017 Vol. 7, Num. 1, Page 1329-1333, January 2017,
- 18 Ramin Khosravi, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Electromagnetic field due to lightning strikes to mountainous ground", *Amirkabir International Journal of Electrical and Electronics Engineering*, December 2016 Vol. 47, Num. 2, Page 27-37, December 2016,
- 19 Valiollah Mashayekhi, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, Keyhan Sheshyekani, "An Adaptive Chebyshev Approach for Fast Computation of Grounding System Admittance Matrix", *IEEE TRANSACTIONS ON ELECTROMAGNETIC COMPATIBILITY*, October 2016 Vol. 0, Num. 0, Page 1-9, October 2016,
- 20 Mojtaba Khosravi Farsani, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Time-Domain Integral Equation Analysis of Electromagnetic Coupling through an Aperture Into a Parallel-Plate Waveguide Filled With a Lossy and Dispersive Dielectric", *IEEE TRANSACTIONS ON ELECTROMAGNETIC COMPATIBILITY*, October 2016 Vol. 58, Num. 5, Page 1570-1578, October 2016,
- 21 Ehsan Zareian Jahromi, S.H.H. Sadeghi, Reza Sarraf Shirazi, Rouzbeh Moini Mazandaran, H.Amidreza Karami, "Image Solution for the 3-D Static Green's Function of a Vertically Stratified Two-Layer Half Space", *IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION*, September 2016 Vol. 64, Num. 10, Page 4336-4342, September 2016,
- 22 Ramin Khosravi, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Electromagnetic Field Due to Lightning Strike to a Tall Tower Sitting on a Mountainous Terrain", *IEEE TRANSACTIONS ON ELECTROMAGNETIC COMPATIBILITY*, August 2016 Vol. 58, Num. 4, Page 1090-1099, August 2016,
- 23 Mahshid Zoghi, Parisa Dehhoda, S.H.H. Sadeghi, "EFIE Solution of Transmitted Electromagnetic Field Through a Perforated Metallic Shield by a Marching-on-in-Degree Approach", *IEEE TRANSACTIONS ON ELECTROMAGNETIC COMPATIBILITY*, June 2016 Vol. 58, Num. 5, Page 1579-1586, June 2016,
- 24 Seyed Amir Hosseini, Hossein Askarian Abyaneh, S.H.H. Sadeghi, Farzad Razavi, "Merging the retrieval of the protection coordination of distribution networks equipped with DGs in the process of their siting and sizing", *Journal of Renewable and Sustainable Energy*, June 2016 Vol. 8, Num. 3, Page 1-14, June 2016,

- 25 Seyed Amir Hosseini, Hossein Askarian Abyaneh, S.H.H. Sadeghi, Farzad Razavi, Adel Nasiri, "An overview of microgrid protection methods and the factors involved", *RENEWABLE & SUSTAINABLE ENERGY REVIEWS*, June 2016 Vol. 64, Num. 12, Page 174-186, June 2016,
- 26 Maryam Hajeji, Mojtaba Khosravi Farsani, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Current and radiated electromagnetic fields due to lightning return strokes when hitting elevated objects", *COMPEL-THE INTERNATIONAL JOURNAL FOR COMPUTATION AND MATHEMATICS IN ELECTRICAL AND ELECTRONIC ENGINEERING*, May 2016 Vol. 35, Num. 3, Page 1271-1280, May 2016,
- 27 Ali Akbari Khezri, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, Mohammad Sharifi, "An Efficient Modeling Technique for Analysis of AC Field Measurement Probe Output Signals to Improve Crack Detection and Sizing in Cylindrical Metallic Structures", *JOURNAL OF NONDESTRUCTIVE EVALUATION*, March 2016 Vol. 35, Num. 9, Page 1-11, March 2016,
- 28 Hossein Maftooli, S.H.H. Sadeghi, H.R.Karami, Parisa Dehkhoda, Rouzbeh Moini Mazandaran, "An Efficient Time-Domain Integral Solution for a Loaded Rectangular Metallic Enclosure With Apertures", *IEEE TRANSACTIONS ON ELECTROMAGNETIC COMPATIBILITY*, February 2016 Vol. 0, Num. 0, Page 1-8, February 2016,
- 29 Ali Akbari Khezri, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Field Distribution Around Surface Cracks in Metallic Cylindrical Structures Excited by High-Frequency Current-Carrying Coils of Arbitrary Shape", *IEEE TRANSACTIONS ON MAGNETICS*, February 2016 Vol. 51, Num. 2, Page 620031-620031, February 2016,
- 30 Seyed Amir Hosseini, Hossein Askarian Abyaneh, S.H.H. Sadeghi, Farzad Razavi, Mohsen Karami, "PRESENTING A NEW METHOD FOR IDENTIFYING FAULT LOCATION IN MICROGRIDS, USING HARMONIC IMPEDANCE", *IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF ELECTRICAL ENGINEERING*, December 2015 Vol. 39, Num. 0, Page 167-182, December 2015,
- 31 Seyed Amir Hosseini, Hossein Askarian Abyaneh, S.H.H. Sadeghi, Farzad Razavi, Mohsen Karami, "OPTIMAL SIZING AND SITING OF DG RESOURCES AT 63KV/20KV SUBSTATIONS CONSIDERING THE EFFECT OF EARTHQUAKE ON TECHNICAL AND ECONOMIC PARAMETERS", *IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF ELECTRICAL ENGINEERING*, December 2015 Vol. 39, Num. 0, Page 133-153, December 2015,
- 32 Akbar Dadkhah, Navid Bayati, Behrooz Vahidi, S.H.H. Sadeghi, "On the Stability of Hybrid AC-DC Microgrids in Various Loads and Short Circuit Faults Conditions", *Science International-Lahore*, September 2015 Vol. 27, Num. 4, Page 3099-3104, September 2015,
- 33 Navid Bayati, Akbar Dadkhah, Behrooz Vahidi, S.H.H. Sadeghi, "FOPID Design for Load-Frequency Control using Genetic Algorithm", *Science International-Lahore*, September 2015 Vol. 27, Num. 4, Page 3089-3094, September 2015,
- 34 Mona Pedram, Parisa Dehkhoda, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Shielding Effectiveness of a Lossy metallic enclosure", *Amirkabir International Journal of Electrical and Electronics Engineering*, August 2015 Vol. 45, Num. 1, Page 17-26, August 2015,
- 35 Iman Ahaniyan, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "A Fast Circuit Model for Interaction of Open-Ended Rectangular Waveguide Probes with Arbitrary-Shape Surface Cracks in Metals", *IET SCIENCE MEASUREMENT & TECHNOLOGY*, August 2015 Vol. 9, Num. 4, Page 427-434, August 2015,
- 36 Seyed Amir Hosseini, Behrooz Vahidi, Hossein Askarian Abyaneh, S.H.H. Sadeghi, M. Karami, "A Seven-State Markov Model for Determining the Optimal Operating Mode of Distributed Generators", *Journal of Renewable and Sustainable Energy*, July 2015 Vol. 7, Num. 3, Page 1-14, July 2015,
- 37 Iman Ahaniyan, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "An array waveguide probe for detection, location and sizing of surface cracks in metals", *NDT & E INTERNATIONAL*, March 2015 Vol. 70, Num. 0, Page 38-40, March 2015,
- 38 Reza Jalil Zadeh Hamidi, S.H.H. Sadeghi, Hossein Hosseinian, S.H.H. Sadeghi, Zhihua Qu, "A Novel Approach to Utilize PLC to Detect Corroded and Eroded Segments of Power Transmission Lines", *IEEE TRANSACTIONS ON POWER DELIVERY*, March 2015 Vol. 30, Num. 2, Page 746-754, March 2015,
- 39 Hossein Maftoli, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, Hamidreza Karami, "Time-Domain Electromagnetic Analysis of Multilayer Structures Using the Surface Equivalent Principle and Mixed-Potential Integral Equations", *IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES*, January 2015 Vol. 63, Num. 1, Page 99-106, January 2015,

- 40 Hamid Reza Karami, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, Hossein Maftooli, Michael Mattes, Juan R. Mosig, "Efficient Analysis of Shielding Effectiveness of Metallic Rectangular Enclosures Using Unconditionally Stable Time-Domain Integral Equations", IEEE TRANSACTIONS ON ELECTROMAGNETIC COMPATIBILITY, December 2014 Vol. 56, Num. 6, Page 1412-1419, December 2014,
- 41 Mohammad Azadi Far, Parisa Dehkhoda, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "A Hybrid FDFD--MoM Technique for Susceptibility Evaluation of a Transmission Line Inside a Perforated Enclosure", IEEE TRANSACTIONS ON ELECTROMAGNETIC COMPATIBILITY, July 2014 Vol. PP, Num. 99, Page 1-6, July 2014,
- 42 Sevda Abadpour, Parisa Dehkhoda, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, Hamidreza Karami, "Susceptibility of a Simple Transmission Line inside an Enclosure against Normal Incident Plane Wave", APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL, May 2014 Vol. 29, Num. 5, Page 428-435, May 2014,
- 43 Sayyed Mohammad Mehdi Mirtalalei, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "A Combined Method-of-Moments and Near-Field Measurements for EMI Evaluation of Switched-Mode Power Supplies", IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, April 2014 Vol. 61, Num. 4, Page 1811-1818, April 2014,
- 44 Seyed Amir Hosseini, Reza Eslami, Behrooz Vahidi, Hossein Askarian Abyaneh, S.H.H. Sadeghi, Kazem Mohseni, "Installing distributed generation units and capacitors simultaneously in a distribution system considering economic issues", Journal of Renewable and Sustainable Energy, April 2014 Vol. 6, Num. 2, Page 1-16, April 2014,
- 45 Ehsan Zareian Jahromi, S.H.H. Sadeghi, Reza Sarraf Shirazi, Rouzbeh Moini Mazandaran, Fabio Napolitano, "Three-dimensional static Green's function for a half space over mixed PEC and dielectric wedges", JOURNAL OF ELECTROSTATICS, March 2014 Vol. 72, Num. 0, Page 203-209, March 2014,
- 46 Ehsan Zareian Jahromi, Reza Sarraf Shirazi, Mojtaba Khosravi Farsani, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Quasi-static analysis of lightning-radiated electric field in the vicinity of sea-land structure", ELECTRIC POWER SYSTEMS RESEARCH, January 2014 Vol. 109, Num. 0, Page 112-117, January 2014,
- 47 Sevda Abadpour, Parisa Dehkhoda, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Susceptibility of a Shielded and an Unshielded Microstrip Transmission Line against a Near Interference Source", Universal Journal of Electrical and Electronic Engineering, January 2014 Vol. 2, Num. 3, Page 137-143, January 2014,
- 48 Sayyed Mohammad Mehdi Mirtalalei, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "A Method-of-Moments Model for Determination of Radiated Magnetic Field from Switch-Mode Power Supplies Components using Near-Field Measurement Data", APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL, August 2013 Vol. 28, Num. 8, Page 672-679, August 2013,
- 49 Vahid Farahani, S.H.H. Sadeghi, Hossein Askarian Abyaneh, S. M. Mousavi-Agah, K. Mazlumi, "Energy Loss Reduction by Conductor Replacement and Capacitor Placement in Distribution Systems", IEEE TRANSACTIONS ON POWER SYSTEMS, August 2013 Vol. 28, Num. 3, Page 2077-2085, August 2013,
- 50 Sayyed Mohammad Mehdi Mirtalalei, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Modeling the Electric Field Emission of Switch Mode Power Supplies Using Magnetic Near-Field Measurement and Method of Moments", Journal of Basic and Applied Scientific Research, February 2013 Vol. 3, Num. 2, Page 596-602, February 2013,
- 51 Mohamadhossein Ostovarzadeh Ravari, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, W. H. A Schilders, "Field distributions around a Rectangular Crack in a metallic Half Space Excited by Long Current-Carrying Wires with Arbitrary Frequency", IEEE TRANSACTIONS ON MAGNETICS, February 2013 Vol. 49, Num. 3, Page 1008-1018, February 2013,
- 52 Teimour Heidari, Hamide Seidfaraji, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "A Fast Analysis Technique for Electromagnetic Interaction of High-Frequency Alternating-Current-Carrying Wires with Arbitrary-Shape Cracks in Ferrous Metals", IEEE TRANSACTIONS ON MAGNETICS, February 2013 Vol. 49, Num. 3, Page 1001-1007, February 2013,
- 53 F. Mazlumi, Naser Gharanfeli, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "An open-ended substrate integrated waveguide probe for detection and sizing of surface cracks in metals", NDT & E INTERNATIONAL, January 2013 Vol. 53, Num. 1, Page 36-38, January 2013,
- 54 Hossein Maftooli, Hamid Reza Karami, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Output Signal Prediction of an Open-Ended Coaxial Probe When Scanning Arbitrary-Shape Surface Cracks in Metals", IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, September 2012 Vol. 6, Num. 9, Page 2384-2391, September 2012,

- 55 Mojtaba Khosravi Farsani, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, F. Rachdi, "On the Validity of Approximate Formulas for the Evaluation of the Lightning Electromagnetic Fields in the Presence of a Lossy Ground", IEEE TRANSACTIONS ON ELECTROMAGNETIC COMPATIBILITY, September 2012 Vol. pp, Num. 99, Page 1-9, September 2012,
- 56 Hamid Reza Karami, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, K. Sheshyekani, "Transient Response of Nonlinearly Loaded Antennas Above a Lossy Dielectric Half-Space: A Modified MoM-AOM Approach", IEEE TRANSACTIONS ON ELECTROMAGNETIC COMPATIBILITY, July 2012 Vol. 54, Num. 4, Page 922-930, July 2012,
- 57 M. Ghaffari-Miab, Zaker Hossein Firouzeh, R. Faraji-Dana, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, G. A. E. Vandenbosch, "Time-domain MoM for the analysis of thin-wire structures above half-space media using complex-time Greens functions and band-limited quadratic B-spline temporal basis functions", ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS, July 2012 Vol. 36, Num. 7, Page 1116-1124, July 2012,
- 58 Ahmadreza Shafieizadegan Esfahani, Aliasghar Katbab, Parisa Dehkhoda, Hamid Reza Karami, S.H.H. Sadeghi, Ayaz Ghorbani, "Preparation and characterization of foamed polyurethane/silicone rubber/graphite nanocomposite as radio frequency wave absorbing material: The role of interfacial compatibilization", COMPOSITES SCIENCE AND TECHNOLOGY, March 2012 Vol. 105, Num. 72, Page 382-389, March 2012,
- 59 Mohamadhossein Ostovarzadeh Ravari, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Field distribution around a hidden long crack in a conductive half space excited by arbitrary-frequency alternating-current-carrying coil of arbitrary shape", NDT & E INTERNATIONAL, February 2012 Vol. 46, Num. 4, Page 1-1, February 2012,
- 60 Mohamadhossein Ostovarzadeh Ravari, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Field distribution around a long crack in a conductive half space excited by an arbitrary-frequency alternating-current-carrying coil of arbitrary shape", IET SCIENCE MEASUREMENT & TECHNOLOGY, January 2012 Vol. 6, Num. 1, Page 29-42, January 2012,
- 61 Hamed Janani, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Evaluation of Lightning-Induced Voltage on Overhead Lines With Nonlinear Load Using the Scattering Theory", IEEE TRANSACTIONS ON POWER DELIVERY, December 2011 Vol. 1, Num. 27, Page 317-324, December 2011,
- 62 Hamid Khoshkhou, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, Heidar Ali Talebi, "An efficient power control scheme for electric arc furnaces using online estimation of flexible cable inductance", COMPUTERS & MATHEMATICS WITH APPLICATIONS, December 2011 Vol. 62, Num. 12, Page 4391-4401, December 2011,
- 63 Ebrahim Amiri, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "A Probabilistic Approach for Human Safety Evaluation of Grounding Grids in the Transient Regime", IEEE TRANSACTIONS ON POWER DELIVERY, December 2011 Vol. 0, Num. 0, Page 1-1, December 2011,
- 64 Mohamadhossein Ostovarzadeh Ravari, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Field Distributions Around a Long Opening in a Metallic Half Space Excited by Arbitrary-Frequency Alternating Current-Carrying Wires of Arbitrary Shape", IEEE TRANSACTIONS ON MAGNETICS, November 2011 Vol. 47, Num. 11, Page 4600-4610, November 2011,
- 65 Seyed Hasan Seyedmoosavi, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, Behzad Kordi, "Application of the Nonlinear Antenna Theory Model to a Tall Tower Struck by Lightning for the Evaluation of Return Stroke Channel Current and Radiated Electromagnetic Fields", JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES, May 2011 Vol. 116, Num. 11118, Page 1-11, May 2011,
- 66 Zaker Hossein Firouzeh, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, Reza Faraji-Dana, "A Robust and Efficient Method for Evaluation of the Nonsymmetrical Components of the Greens Functions for Microstrip Structures", IET MICROWAVES ANTENNAS & PROPAGATION, March 2011 Vol. 5, Num. 4, Page 379-385, March 2011,
- 67 Zaker Hossein Firouzeh, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, Reza Faraji-Dana, "A Robust Method for the Computation of New Closed-Form Green's Functions for Microstrip Structures", INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, March 2011 Vol. 21, Num. 2, Page 206-215, March 2011,
- 68 Keyhan Sheshyekani, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, F. Rachidi, "Frequency-Domain Analysis of Ground Electrodes Buried in an Ionized Soil When Subjected to Surge Currents: a MoM-AOM Approach", ELECTRIC POWER SYSTEMS RESEARCH, February 2011 Vol. 0, Num. 0, Page 0-0, February 2011,
- 69 Reza Hasanzadeh Pak Rezaei, S.H.H. Sadeghi, Maryam Ravan, Alireza Moghaddamjoo, Rouzbeh Moini Mazandaran, "A Fuzzy Alignment Approach to Sizing Surface Cracks by the AC Field Measurement Technique", NDT and e International, November 2010 Vol. 44, Num. 1, Page 0-0, November 2010,

- 70 Abdolhamid Shoory, Abdenabi Mimouni, Farhad Rachidi, Vernon Cooray, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Validity of Simplified Approaches for the Evaluation of Lightning Electromagnetic Fields above a Horizontally Stratified Ground", IEEE TRANSACTIONS ON ELECTROMAGNETIC COMPATIBILITY, August 2010 Vol. 52, Num. 3, Page 657-663, August 2010,
- 71 Reza Mohammadi Chabanlo, Hossein Askarian Abyaneh, Farzad Razavi, Majid Al Dabbagh, S.H.H. Sadeghi, "Optimal Relays Co-ordination Efficient Method in Interconnected Power Systems", Journal of Electrical Engineering-Electrotechnicky Casopis, March 2010 Vol. 61, Num. 2, Page 0-0, March 2010,
- 72 Iraj Rahimi Pordanjani, Hossein Askarian Abyaneh, S.H.H. Sadeghi, [en-name N/A], "Risk reduction in special protection systems by using an online method for transient instability prediction", , February 2010 Vol. , Num. 32, Page 0-0, February 2010,
- 73 Mehdi Bozorgi, Ahad Tavakoli, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Backscattering from a Two Dimensional Rectangular Crack Using FIE", IEEE Transactions on Antennas and Propagation, February 2010 Vol. 58, Num. 2, Page 0-0, February 2010,
- 74 Mohammadali Khorrami, Parisa Dehkhoda, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Fast Shielding Effectiveness Calculation of Metallic Enclosures With Apertures Using a Multiresolution Method of Moments Technique", IEEE TRANSACTIONS ON ELECTROMAGNETIC COMPATIBILITY, February 2010 Vol. 52, Num. 1, Page 230-235, February 2010,
- 75 Amir Mansour Yadegari, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, Farhad Mazlumi, "Output signal prediction of an open-ended rectangular waveguide probe when scanning cracks at a non-zero lift-off", , January 2010 Vol. , Num. 43, Page 0-0, January 2010,
- 76 Vahid Rezaei, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, Farhad Rachdi, "A modified Hybrid MoM-Modal Method for Shielding Effectiveness Evaluation of Rectangular Enclosures with Multiple Apertures", Amirkabir International Journal of Electrical and Electronics Engineering, December 2009 Vol. 41, Num. 2, Page 51-58, December 2009,
- 77 Abdolhamid Shoory, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Analytical Expressions for Zero-Crossing Times in Lightning Return-Stroke Engineering Models", , November 2009 Vol. , Num. 4, Page 0-0, November 2009,
- 78 Keyhan Sheshyekani, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, Farhad Rachidi, M. Paolone, "Analysis of Transmission Lines With Arrester Termination, Considering the Frequency-Dependence of Grounding Systems", IEEE TRANSACTIONS ON ELECTROMAGNETIC COMPATIBILITY, November 2009 Vol. 51, Num. 4, Page 986-994, November 2009,
- 79 Abdolhamid Shoory, [en-name N/A], Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Why do some lightning return stroke models not reproduce the far-field zero crossing?", , August 2009 Vol. , Num. 114, Page 0-0, August 2009,
- 80 Seyed Hasan Seyedmoosavi, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "representation of a lightning return-stroke channel as a Nonlinearly Loaded Thin-Wire Antenna", , August 2009 Vol. , Num. 3, Page 0-0, August 2009,
- 81 Hamid Reza Karami, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Using MBPE technique to accelerate solving the thin-wire EFIE used in numerical simulation of lightning", , June 2009 Vol. , Num. 33, Page 0-0, June 2009,
- 82 Mansour Nejati Jahromi, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "A CG Lightning Model Based on Varying of Propagation Speed of the Upward Traveling Current Wave Along the Channel in the Vicinity of Lossy Ground", , December 2008 Vol. 0, Num. 0, Page 0-0, December 2008,
- 83 Reza Khalaj Amineh, Maryam Ravan, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Removal of Probe Liftoff Effects on Crack Detection and Sizing in Metals by The AC Field Measurement Technique", , August 2008 Vol. , Num. 8, Page 0-0, August 2008,
- 84 Reza Hasanzadeh Pak Rezaei, Ali M. Reza, S.H.H. Sadeghi, Amir Hossein Rezaei, Mehdi Ahmadi Najafabadi, "Optimal signal-adaptive maximum likelihood filter for enhancement of defects in eddy current C-scan images", NDT & E INTERNATIONAL, July 2008 Vol. 41, Num. 5, Page 371-381, July 2008,
- 85 Niloofar Farnoosh, [en-name N/A], Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Analysis of thin-wire ground penetrating radar systems for buried target detection, using a hybrid MoM-FDTD technique", , July 2008 Vol. , Num. 41, Page 0-0, July 2008,
- 86 Keyhan Sheshyekani, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "A Combined MoM-AOM Approach for Frequency Domain Analysis of Nonlinearly Loaded Antennas in The Presence of a Lossy Ground", , June 2008 Vol. , Num. 6, Page 0-0, June 2008,

- 87 Reza Hasanzadeh Pak Rezaei, S.H.H. Sadeghi, Amir Hossein Rezaei, Alireza Moghaddamjoo, Mehdi Ahmadi Najafabadi, "Noise Suppression in Eddy Current C-Scan Images Using a Non-linear Adaptive Maximum Likelihood Filter", Amirkabir International Journal of Electrical and Electronics Engineering, June 2008 Vol. 19, Num. 68, Page 55-62, June 2008,
- 88 Reza Hasanzadeh Pak Rezaei, S.H.H. Sadeghi, Amir Hossein Rezaei, Alireza Moghaddamjoo, "Noise Suppression in Eddy Current C-Scan Images Using a Non-Linear Adaptive Maximum Likelihood Filter", , May 2008 Vol. 0, Num. 0, Page 0-0, May 2008,
- 89 Reza Khalaj Amineh, Maryam Ravan, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Using AC field measurement data at an arbitrary liftoff distance to size long surface-breaking cracks in ferrous metals", , April 2008 Vol. , Num. 41, Page 0-0, April 2008,
- 90 Siamak Bonyadi Ram, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, Voladimer.A Rakov, "On Representation of Lightning Return Stroke as a Lossy Monopole Antenna With Inductive Loading", , February 2008 Vol. , Num. 1, Page 0-0, February 2008,
- 91 Maryam Ravan, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Neural Network Approach for Determination of Fatigue Crack Depth Profile in a Metal ,Using Alternating Current Field Measurement Data", , January 2008 Vol. , Num. 1, Page 0-0, January 2008,
- 92 Maryam Ravan, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Using a Wavelet Network for Reconstruction of Fatigue Crack Depth Profile From AC Field Measurement Signals", , October 2007 Vol. , Num. 40, Page 0-0, October 2007,
- 93 Reza Hasanzadeh Pak Rezaei, Amir Hossein Rezaei, S.H.H. Sadeghi, Mohammad Hassan Moradi, Mehdi Ahmadi Najafabadi, "A density -based fuzzy clustering technique for non-destructive detection of defect in materials", NDT and E International, June 2007 Vol. 40, Num. 4, Page 0-0, June 2007,
- 94 Farhad Mazlumi, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Interaction of Rectangular Open -Ended Waveguides With Surface Tilted Long Cracks in Metals", , December 2006 Vol. , Num. 6, Page 0-0, December 2006,
- 95 Amir Geranmayeh, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "On The Use of Piecewise Linear Wavelets for Fast Construction of Sparsified Moment Matrices in Solving The Thin-Wire EFIE", , October 2006 Vol. , Num. 30, Page 0-0, October 2006,
- 96 Farhad Mazlumi, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Interaction of an Open- Ended Rectangular Waveguide Probe With an Arbitrary- Shape Surface Crack in a Lossy Conductor", , October 2006 Vol. , Num. 10, Page 0-0, October 2006,
- 97 Maryam Ravan, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Field Distributions Around Arbitrary Shape Surface Cracks in Metals, Induced by High- Frequency Alternating - Current - Carrying Wires of Arbitrary Shape", , September 2006 Vol. , Num. 9, Page 0-0, September 2006,
- 98 Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, Behzad Kordi, [en-name N/A], "An antenna-theory approach for modeling inclined lightning return stroke channels", , July 2006 Vol. , Num. 1, Page 0-0, July 2006,
- 99 Reza Sarraf Shirazi, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, [en-name N/A], "Calculation of EM Characteristics of a Cellular Phone Handset by Time- Domain MoM", , May 2006 Vol. 0, Num. 0, Page 0-0, May 2006,
- 100 Amir Geranmayeh, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "A Fast Wavelet_Based Moment Method for Solving Thin_ Wire EFIE", , April 2006 Vol. , Num. 4, Page 0-0, April 2006,
- 101 Amir Geranmayeh, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Numerical Simulation of Electromagnetic Fields Radiated by Lightning Return Stroke Channels :A Wavelet-Based Approach", , February 2006 Vol. , Num. 1, Page 0-0, February 2006,
- 102 Abdolhamid Shoory, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Comment on Analysis of Lightning- Radiated Electromagnetic Fields in the Vicinity of Lossy Ground", , November 2005 Vol. , Num. 4, Page 0-0, November 2005,
- 103 Siamak Bonyadi Ram, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Calculation of Induced Over voltages on the power Transmission Lines Using a New Electrmagnetic Model for Lightning Return Stroke Channel", , September 2005 Vol. 0, Num. 1, Page 0-0, September 2005,
- 104 Farhad Mazlumi, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Using an open - ended rectangular waveguide probe for detection and sizing of fatigue cracks in metals", , March 2005 Vol. , Num. 6, Page 0-0, March 2005,

- 105 Hossein Fatehi, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Computation of electromagnetic field distribution due to an arbitrary shape exciter near multilayer slab conductors", , March 2005 Vol. , Num. 3, Page 0-0, March 2005,
- 106 [en-name N/A], Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, Voladimer.A Rakov, "Analysis of lightning radiated electromagnetic fields in the vicinity of lossy ground", , February 2005 Vol. , Num. 42, Page 0-0, February 2005,
- 107 Amir Hosein Salemi, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Thin - skin analysis technique for interaction of arbitrary - shape inducer field with long cracks in ferromagnetic metals", , September 2004 Vol. , Num. 37, Page 0-0, September 2004,
- 108 Farhad Mazlumi, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Analysis techniqur for interaction of rectangular open-ended waveguides with surface cracks of arbitrary shape in metals", , July 2003 Vol. , Num. , Page 0-0, July 2003,
- 109 Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, Behzad Kordi, "An electromagnetic model of lightning return stroke channel using electric field integral equation in time domain", , April 2003 Vol. , Num. 27, Page 0-0, April 2003,
- 110 Hossein Askarian Abyaneh, [en-name N/A], Hosein Kazemi Kargar, S.H.H. Sadeghi, [en-name N/A], "A new optimal approach for coordination of overcurrent relays in intercoonected power systems", , April 2003 Vol. , Num. , Page 0-0, April 2003,
- 111 Shahram Montaser Kouhsari, S.H.H. Sadeghi, Artin Der Minasians, "A simple method for incorporating transformer phase-shifts in a sparsity-oriented single-phase harmonic penetration algorithm", ELECTRIC POWER SYSTEMS RESEARCH, April 2002 Vol. 61, Num. 3, Page 203-210, April 2002,
- 112 S.H.H. Sadeghi, Behrooz Tousi, Rouzbeh Moini Mazandaran, "On the suitability of induction coils for crack detection and sizing in metals by the surface magnetic field measurement technique", , October 2001 Vol. , Num. 34, Page 0-0, October 2001,
- 113 S.H.H. Sadeghi, Amir Hosein Salemi, "Electromagnetic field distributions around conducting slabs, produced by eddy - current probes with arbitrary shape current - carrying excitation loops", , July 2001 Vol. , Num. 4, Page 0-0, July 2001,
- 114 W G Jenks, S.H.H. Sadeghi, Jp Wikswo, "Squids for nondestructive Testing", , January 1997 Vol. , Num. 30, Page 0-0, January 1997,
- 115 S.H.H. Sadeghi, Amir Hosein Salemi, "Field Distribution due to a current -carring loop of arbitrary shape above a conductig half-space", , September 1996 Vol. , Num. 32, Page 0-0, September 1996,
- 116 S.H.H. Sadeghi, "Surface magnetic field measwement technique for nindestructive testing of metals", , May 1994 Vol. , Num. 3, Page 0-0, May 1994,

Conference Papers

Portal Records

- 1 Hussein Behzadipour, S.H.H. Sadeghi, "Detection and Sizing Fatigue Cracks in Cylindrical Metallic Structures Using a Circular-Trapezoidal ACFM Probe ", IRNDT2020, February 2021
- 2 Maryam Shamgholi, S.H.H. Sadeghi, "An Efficient Eddy-Current Method for Online Determination of the Radius of a Finite-Length Conductive Rod ", 6th Iranian International NDT Conference (IRNDT2020), February 2021
- 3 Amir Mohammad Nakhaee, Hamed Nafisi, Ali Akbarzadeh Niaki, S.H.H. Sadeghi, "Cuckoo-Linear Based Algorithm for Optimal Coordination of Communication Assisted Dual Setting Directional Overcurrent Relays by Using Fault Current Limiter ", 24th electrical power distribution conference, June 2019
- 4 Reza Rahmani, Ali Akbarzadeh Niaki, Amir Mohammad Nakhaee, S.H.H. Sadeghi, Hossein Askarian Abyaneh, "optimal sizing of distributed generation sources using cuckoo optimization algorithm for loss reduction considering protection coordination ", 24th electrical power distribution conference, June 2019
- 5 Reza Rahmani, Ali Akbarzadeh Niaki, S.H.H. Sadeghi, "Large Induction Motor Starting Time Determination for The Purpose of Protection Coordination ", 27th Iranian Conference on Electrical Engineering (ICEE), April 2019

- 6 Ali Akbarzadeh Niaki, Reza Rahmani, Hossein Ahmadi, S.H.H. Sadeghi, "Analysis of the Behavior of the Grid-connected Flywheel in Presence of Different Faults ", 13th International Conference on Protection & Automation in Power System, January 2019
- 7 Soheil Rahnamayian Jelodar, S.H.H. Sadeghi, Reza Rahmani, Mohammad Ali Narooie Dehchil, "Acceleration of ground impedance calculations using model based parameter estimation by Chebyshev polynomial and exponential sentences models ", 4th National Conference on technology in Electrical and Computer Engineering, December 2018
- 8 Iman Ahanian, Zahra Mahdavi, S.H.H. Sadeghi, "Design and Simulation Of An Array Microwave Microstrip Probe ", The 5th IRNDT, November 2018
- 9 Mohammadreza Yousefpanah, Iman Ahanian, S.H.H. Sadeghi, "Evaluation Of The Metallic Crack By Concentrated Electromagnetic Wave Scanning In An Open Mouth Rectangular Waveguide Probe ", 5th IRNDT 2018, November 2018
- 10 Yed Amir Hosseini, Adel Nasiri, S.H.H. Sadeghi, "A Decentralized Adaptive Scheme for Protection Coordination of Microgrids Based on Team Working of Agents ", 2018 7th International Conference on Renewable Energy Research and Applications (ICRERA), October 2018
- 11 Pedram Pakravan, S.H.H. Sadeghi, Hossein Askarian Abyaneh, "Improvement of An Artificial Neural Network for Maximum Power Point Tracking of Photovoltaic Panels with Boost DC-DC Converter ", 33PSC – International Power System Conference, October 2018
- 12 Zhaoyang Wang, Adrian Lowenstein, Saeed Rahimi, Parisa Dehkhoda, S.H.H. Sadeghi, Reza Razzaghi, Mario Paolone, Marcos Rubinstein, Farhad Rachidi, "Time Reversal Focusing Property in Mismatched Media ", 2018 American Electromagnetics International Symposium AMEREM, Santa Barbara, California, August 27-31, 2018, August 2018
- 13 Navid Bayati, Akbar Dadkhah, S.H.H. Sadeghi, Behrooz Vahidi, Ali Eftekhari Milani, "Considering variations of network topology in optimal relay coordination using Time-Current-Voltage characteristic ", 17th International Conference on Environment and Electrical Engineering, June 2017
- 14 Reza Rahmani, Seyed Saeid Aghaee, S.Hossein Hosseinian, S.H.H. Sadeghi, "Determining maximum penetration level of distributed generation sources in distribution network considering harmonic limits and maintain protection coordination scheme ", 2017 Electrical Power Distribution Networks Conference, April 2017
- 15 Reza Rahmani, Seyed Saeid Aghaee, S.Hossein Hosseinian, S.H.H. Sadeghi, "Determining Maximum Penetration Level of Distributed Generation Sources in Distribution Network Considering Harmonic Limits and Maintain Protection Coordination Scheme ", 22nd Electrical Power Distribution Conference, April 2017
- 16 Maryam Shamgholi, S.H.H. Sadeghi, Amine Asadi, Majid Abbasi, Seyed Mahmood Riazi, "A Neural Network for Predicting the Value of Retained Austenite in Ni-Hard4 Cast Iron, Using Eddy Current Data ", 4th Iranian International NDT Conference, February 2017
- 17 Teimour Heidari, S.H.H. Sadeghi, "Detection and Sizing of Surface Cracks in Metallic Structures Using Eddy Current Probe Signals ", 4th Iranian International NDT Conference, February 2017
- 18 Iman Ahanian, S.H.H. Sadeghi, "A Dual-Feed Dual-Polarization Waveguide Probe for Determining the Orientation of a Surface Crack in a Metal ", 4th Iranian International NDT Conference, February 2017
- 19 Navid Bayati, S.H.H. Sadeghi, Seyed Amir Hosseini, "The Use of Fault Current Limiters for Adaptive Protection of Distribution Networks Equipped with DGs ", 11th International Conference on Protection & Automation in Power System, January 2017
- 20 Navid Bayati, S.H.H. Sadeghi, Seyed Amir Hosseini, "A New Approach for Optimal Allocation of Different Type of FCLs in Variable Distributed Generation Systems ", 4th International Conference of Electrical and Computer Engineering, January 2017
- 21 Navid Bayati, Abolfazl Khodadadi, S.H.H. Sadeghi, S.Hossein Hosseinian, "FOPID Controller Design for Electric Furnace Temperature System Using TLBO Algorithm ", 5th International Conference on Computer Science, Electrical and Electronics Engineering (ICCSEEE 2016), June 2016
- 22 Navid Bayati, S.H.H. Sadeghi, Seyed Amir Hosseini, "Optimal Coordination of Directional Overcurrent Relays Considering the Impact of Distributed Generation using GA-ILP ", 1st International Conference on New Research Achievement in Electrical and Computer Engineering, May 2016

- 23 Mojtaba Maddahali, S.H.H. Sadeghi, "A Microwave Nondestructive Technique for the Detection and Evaluation of Discontinuities in Muti-Layered Unidirectional Composite Structures ", 4th Iranian International NDT Conference, March 2016
- 24 Mojtaba Maddahali, S.H.H. Sadeghi, "A Microwave Nondestructive Technique for the Detection and Evaluation of Disbonding and Delamination in Muti-Layered Composite Cylindrical Structures ", 3rd Iranian International NDT Conference, February 2016
- 25 Ali Akbari Khezri, S.H.H. Sadeghi, "Using the ACFM Method to Predict the Depth Profile of Surface Cracks in Cylindrical Metallic Structures a ", 3rd Iranian International NDT Conference, February 2016
- 26 Teimour Heidari, S.H.H. Sadeghi, "A PSO-based Inverse Model for Predicting Fatigue Crack Depth Profile from ACFM Probe Signals ", 3rd Iranian International NDT Conference, February 2016
- 27 Iman Ahanian, S.H.H. Sadeghi, "An Array Near-Field Waveguide Probe for Detection and Sizing of Surface Cracks in Metals ", 3rd Iranian International NDT Conference, February 2016
- 28 Naime Ahmadi Najafabadi, Valiollah Mashayekhi, S.H.H. Sadeghi, Adel Nasiri, "Frequency-Dependent Modeling of Grounding System in EMTP for Lightning Transient Studies of Grid-Connected PV Systems ", 4th International Conference in Renewable Energy Research and Application (ICRERA), November 2015
- 29 Seyed Amir Hosseini, Hossein Askarian Abyaneh, S.H.H. Sadeghi, M.Karami, Reza Eslami, "ooo ", 20th Electric Power Distribution Conferenc, April 2015
- 30 Reza Eslami, S.H.H. Sadeghi, Hossein Askarian Abyaneh, Seyed Amir Hosseini, "ooo ", 20th Electric Power Distribution Conferenc, April 2015
- 31 Maryam Hajebi, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, Mojtaba Khosravi Farsani, "Modelling the Strike of Lightning to Tall Towers ", The Third Iranian Conference on Engineering Electromagnetics, December 2014
- 32 Valiollah Mashayekhi, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, H. R. Karami, K. Sheshyekani, Adel Nasiri, "Frequency-Dependent Modeling of Grounding System for Wind Turbine Lightning Transient Studies ", 3rd International Conference on Renewable Energy Research and Applications, October 2014
- 33 Seyed Amir Hosseini, S.H.H. Sadeghi, Hossein Askarian Abyaneh, Adel Nasiri, "Optimal Placement and Sizing of Distributed Generation Sources Considering Network Parameters and Protection Issues ", 3rd International Conference on Renewable Energy Research and Applications, October 2014
- 34 Mahshid Zoghi, Parisa Dehkhoda, S.H.H. Sadeghi, "Evaluation of the Transient Transmitted Field into a Rectangular Enclosure by Marching-On-In-Degree Approach ", 16TH INTERNATIONAL SYMPOSIUM ON ANTENNA TECHNOLOGY AND APPLIED ELECTROMAGNETICS, July 2014
- 35 Mahshid Zoghi, Parisa Dehkhoda, S.H.H. Sadeghi, "Transmitted Electromagnetic Field through an Aperture in a Perfect Electric Conducting Wall by Marching-On-In-Degree Approach in Time Domain ", The 22nd Iranian Conference on Electrical Engineering (ICEE 2014), May 2014
- 36 Mohammad Azadi Far, Parisa Dehkhoda, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Shielding Effectiveness Evaluation of a Loaded Perforated Enclosure by Hybrid FDFD-MoM ", Electromagnetic Compatibility (EMC), 2013 IEEE International Symposium on, August 2013
- 37 Sayyed Mohammad Mehdi Mirtalalei, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Radiated Emission Determination from Near Field Measurements for EMI Evaluation of Switch Mode Power Supplies Components by Method of Moments ", Power Electronics Drive Systems and Technologies Conference, February 2013
- 38 Sayyed Mohammad Mehdi Mirtalalei, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Radiated Emission Determination from Near Field Measurements for EMI Evaluation of Switch Mode Power Supplies Components by Method of Moments ", 4th Power Electronics, Drive Systems & Technologies Conference, February 2013
- 39 Hossein Bahramian, Ehsan Azad Farsani, Hossein Askarian Abyaneh, S.H.H. Sadeghi, "Determination of Simultaneous Numbers, Location and FCL Impedance Value Using PSO ", power systems protection & control conference (pspc), January 2013
- 40 Vahid Farahani, S.H.H. Sadeghi, Hossein Askarian Abyaneh, S.Hossein Hosseinian, K.Mazlumi, "Maximum loss reduction by an improved reconfiguration method and capacitor placement ", Power and energy(PEcon),2010 IEEE international conference, December 2012

- 41 Farideh Doostmohammadi, Zahra Khatami, Gevork B. Gharehpetian, S.H.H. Sadeghi, Mehrdad Abedi, "Comparing Effects of Series and Parallel FACTS/BESS Devices on Voltage Stability of a Grid-Connected Wind Farm During Fault ", Conference on Smart Electric Grids Technology (SEGT2012), December 2012
- 42 Reza Kazemi, Keyhan Sheshyekani, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, Adel Nasiri, "Wind turbine grounding system frequency-dependent modeling for lightning transient studies ", IECON 2012 - 38th Annual Conference on IEEE Industrial Electronics Society, October 2012
- 43 Reza Kazemi, K. Sheshyekani, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, A. Nasiri, "Wind Turbine Grounding System Frequency Dependent Modeling for Lightning Transient Studies ", The 38th Annual Conference of the IEEE Industrial Electronics Society (IECON 2012, October 2012
- 44 Mahdi Tohidian, A. Esmaili, Ramezan-Ali Naghizadeh, S.H.H. Sadeghi, A. Nasir, Alireza Moghaddamjoo, "Use of Adaptive Linear Algorithms for Very ShortTerm Prediction of Wind Turbine Power Output ", IECON 2012 - 38th Annual Conference on IEEE Industrial Electronics Society, October 2012
- 45 Mahdi Tohidian, A. Esmaili, Ramezan-Ali Naghizadeh, S.H.H. Sadeghi, A. Nasiri, Ali M. Reza, "Use of Adaptive Linear Algorithms for Very ShortTerm Prediction of Wind Turbine Power Output ", 38th Annual Conference of the IEEE Industrial Electronics Society (IECON 2012, October 2012
- 46 Farideh Doostmohammadi, A. Esmaili , S.H.H. Sadeghi, A. Nasiri, Heidar Ali Talebi, "A Model Predictive Method for Efficient Power Ramp Rate Control of Wind Turbines ", IECON 2012 - 38th Annual Conference on IEEE Industrial Electronics Society, October 2012
- 47 Farideh Doostmohammadi, A. Esmaili, S.H.H. Sadeghi, A. Nasiri, Heidar Ali Talebi, "A Model Predictive Method for Efficient Power Ramp Rate Control of Wind Turbines ", (The 38th Annual Conference of the IEEE Industrial Electronics Society (IECON 2012, October 2012
- 48 Mojtaba Khosravi Farsani, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, F. Rachidi, "On the Validity of the Cooray Formula for the Evaluation of the Underground Horizontal Electric Fields of Lightning ", 31st International Conference on Lightning Protection (ICLP, September 2012
- 49 Z.H. Firouzeh, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, M. Ghaffari-Miab, R. Faraji-Dana, G.A.E. Vandenbosch, "Time-domain MoM for the scattering analysis of thin-wire structures within a ground using band-limited Second-Order Lagrange temporal basis functions ", 20th Iranian Conference on Electrical Engineering (ICEE2012), May 2012
- 50 Ehsan Khoob, Hossein Askarian Abyaneh, S.H.H. Sadeghi, "Inefficiency Overcurrent Protection in Microgrid ", The 6th Power Systems Protection & Control Conference, January 2012
- 51 Zaker Hossein Firouzeh, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, Reza Faraji Dana, Guy A. E. Vandenbosch, "A new method for transient analysis of a dipole above a lossy ground using quadratic B-spline temporal basis functions ", International Conference on Electromagnetics in Advanced Applications ICEAA 2011, September 2011
- 52 K. Sheshyekani, Hamid Reza Karami, Parisa Dehkoda, . F. Rachidi, Reza Kazemi, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "A New Method for the Inclusion of Frequency Domain Responses in Time Domain Codes ", International Conference on Power Systems Transients, June 2011
- 53 Alireza Namadmalan, S.Hamid Fathi, Javad Shokrollahi Moghani, S.H.H. Sadeghi, "Power Quality Improvement for Three Phase Current Source Induction Heating Systems ", The 6th IEEE Conference on Industrial Electronics and Applications (ICIEA2011), June 2011
- 54 Keyhan Sheshyekani, Parisa Dehkoda, Hamid Reza Karami, Farhad Rashidi Hayeri, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "A New Method for the Inclusion of Frequency Domain Responses in Time Domain Codes ", International Conference on Power Systems Transients (IPST2011), June 2011
- 55 Zaker Hossein Firouzeh, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, Reza Faraji-Dana, Guy A. E. Vandenbosch, "A New Efficient Method to Calculate Spatial Greens Functions of Filament Sources ", 19th Iranian Conference on Electrical Engineering ICEE 2011, May 2011
- 56 Zaker Hossein Firouzeh, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, Reza Faraji-Dana, Guy A. E. Vandenbosch, "A New Robust Technique for Transient Analysis of Conducting Cylinders – TM Case ", 5th European Conference on Antennas and Propagation EuCAP 2011, April 2011

- 57 Yahya Kabiri Renani, Hossein Askarian Abyaneh, S.H.H. Sadeghi, Hamed Hashemi Dezaki, Hamed Nafisi, Heidar Ali Talebi, "Effect of the PV/FC Hybrid Power Generation System on Total Line Loss in Distribution Network ", international conference on power and energy (pecon2010), November 2010
- 58 Vahid Farahani, S.H.H. Sadeghi, Hossein Askarian Abyaneh, S.Hossein Hosseinian, Kazem Mazlumi, "maximum loss reduction by an improved reconfiguration method and capacitor placement ", international conference on power and energy (pecon2010), November 2010
- 59 Keyhan Sheshyekani, Aliasghar Ghadimi, Hamid Reza Karami, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "The Impact of the Grounding System on the Lightning Performance of Transmission Lines: a Sensitivity Analysis ", 30th International Conference on Lightning Protection (ICLP 2010), September 2010
- 60 Vali Allah Mashayekhi, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "The Effect Of The Lightning Return Stroke Speed On Voltages Induced On Nearby Overhead Lines ", the 30th International Conference on Lightning Protection (ICLP 2010), September 2010
- 61 Roya Sadat Nikjoo, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Optimal Grounding Grid Design Considering Lightning Safety Indices ", 30th International Conference on Lightning Protection (ICLP 2010), September 2010
- 62 Zaker Hossein Firouzeh, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, G.A.E. Vandenbosch, Reza Faraji-Dana, "Efficient Calculation of Spatial Greens Functions by Singularity Subtraction for a Half-Space Medium ", International Conference on Applied Electromagnetics and Communications ICECom, September 2010
- 63 Zaker Hossein Firouzeh, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, Reza Faraji-Dana, "New closed-form Greens functions for microstrip structures based on Ge-Esselles method ", Mediterranean Microwave Symposium MMS2010, August 2010
- 64 Vahid Farahani, S.H.H. Sadeghi, Hossein Askarian Abyaneh, Kazem Mazlumi, "An Improved Reconfiguration Method for Maximum Loss Reduction Using Discrete Genetic Algorithm ", The 4th International Power Engineering and Optimization, June 2010
- 65 Vahid Farahani, S.H.H. Sadeghi, Hossein Askarian Abyaneh, K. Mazlumi, "An Improved Reconfiguration Method for Maximum Loss Reduction Using Discrete Genetic Algorithm ", The 4th International Power Engineering and Optimization Conference (PEOC2010), June 2010
- 66 Yahya Kabiri Renani, Hossein Askarian Abyaneh, S.H.H. Sadeghi, Hamed Hashemi Dezaki, Heidar Ali Talebi, "Proper Strategy to Support the Renewable Energy Sources in Power Market Considering the Improvement of Voltage Quality ", Power Quality Conference (PQC), 2010 First, May 2010
- 67 Yahya Kabiri Renani, Hossein Askarian Abyaneh, S.H.H. Sadeghi, Heidar Ali Talebi, "A new method for harmonic effects reduction on fuel cells ", Power Quality Conference (PQC), 2010 First, May 2010
- 68 Roya Sadat Nikjoo, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, Keyhan Sheshyekani, "Determination of multilayer soil parameters using simulated annealing algorithm ", , March 2010
- 69 Roya Sadat Nikjoo, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "A hybrid genetic simulated annealing algorithm for optimal design of grounding grids with rods ", , March 2010
- 70 Abdolhamid Shoory, F. Rachidi, V. Cooray, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "On simplified approaches for the evaluation of lightning electromagnetic fields above a stratified ground ", International Symposium on Lightning Protection (X-SIPDA), November 2009
- 71 Yahya Kabiri Renani, Hossein Askarian Abyaneh, S.H.H. Sadeghi, Vahid Farahani, Kazem Mazlumi, "br ", the 15th electrical power distribution systems, November 2009
- 72 Nima Yousefpoor, S.Hamid Fathi, Naeem Farokhniha, S.H.H. Sadeghi, "Application of OHSW technique in cascaded multi level inverter with adjustable DC sources ", , November 2009
- 73 Abdolhamid Shoory, F. Rachidi, M. Rubinstein, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "On the Zero Crossing of Distant Electromagnetic Fields Radiated by Lightning ", the 2009 IEEE EMC Symposium, August 2009
- 74 Vali Allah Mashayekhi, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "A MOM AOM approach for frequency domain analysis of indirect lightning strike effects on transmission lines terminated by lightning arresters ", , July 2009

- 75 Seyed Hasan Seyedmoosavi, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, Bahareh Kordi, "An improved antenna theory model for the evaluation of radiated electromagnetic fields due to lightning strikes to tall towers ", , July 2009
- 76 Seyed Hasan Seyedmoosavi, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, Kordi, "A Nonlinear Antenna Theory model to evaluate Return Stroke Channel Current and Radiated Fields due to Lightning Strikes to Tall Towers ", the 4th th International Workshop on Electromagnetic Radiation from Lightning to Tall Structures, July 2009
- 77 Keyhan Sheshyekani, F.Rachidi, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, M. Paolone, "Impact of Grounding Systems Frequency Dependence on Surge Arresters Performance ", International Conference On Power Systems Transients (IPST 2009), June 2009
- 78 Hamide Seidfaraji, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, Heidar Ali Talebi, "Design of a new wire bow tie antenna for ultra wide band GPR applications using multi objective genetic algorithm ", , February 2009
- 79 Amin Chapari, Zaker Hossein Firouzeh, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "A low weight S - Band quadrifilar helical antenna for satellite communication ", , February 2009
- 80 Amin Chapari, Seyed Mahdi Ashabani, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "A low weight S Band Quadrifilar Helical ANtenna for Sarellite Communication ", 2009 13th international symposium on Antenna Technology and Applied Electromagnetics and the canadian radio sciences meeting, February 2009
- 81 Naghi Moaddabipirkolachahi, S.H.H. Sadeghi, Hossein Askarian Abyaneh, "Minimization monitoring locations for detection of flicker sources by the direction of propagation method ", , December 2008
- 82 Hamid Khoshkhoo, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, Jabbari, "Effects of flexible power cables on harmonic generation of an arc furnace steel plant ", the 12th IEEE International Multitopic Conference (INMIC2008), December 2008
- 83 Hamide Seidfaraji, Teimour Heidari, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Applying Genetic Algorithm for Predicting the Size and Shape of Fatigue Cracks in Ferromagnetic Metals using the SMFM Technique ", 2nd International Conference on Technical Inspection and NDT, October 2008
- 84 Mahdi Choopani, S.H.H. Sadeghi, Maryam Sadat Akhavan Hejazi, Gevork B. Gharehpetian, "Non destructive test modeling of transformer winding using simplified model of three phase transformer ", , October 2008
- 85 Naghi Moaddabipirkolachahi, S.H.H. Sadeghi, Hossein Askarian Abyaneh, [en-name N/A], "A lookup method for power system flicker source detection using direction of propagation ", , September 2008
- 86 Keyhan Sheshyekani, M.Paolone, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, Rashidi, "performance of lightning arrests considering the frequency dependence of the grounding system ", , June 2008
- 87 Ebrahim Amiri, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, Keyhan Sheshyekani, Abdolhamid Shoory, "transient behavior of grounding systems against lightning currents human safety aspects ", , June 2008
- 88 Keyhan Sheshyekani, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Frequency-domain analysis of ground electrodes buried in an ionized soil due to lightning surge currents ", the 28th International Conference on Lightning Protection (ICLP 2008), June 2008
- 89 Keyhan Sheshyekani, M. Paolone, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, P.Rachidi, "Performance of Lightning Arresters Considering the Frequency-Dependence of the Grounding System: A MoM-AOM Approach ", the 3rd Int. COST Symposium on Lightning Physics and Effects, June 2008
- 90 Ebrahim Amiri, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Transient Behaviour of Grounding Systems Against Lightning Currents Human Safety Aspects ", , June 2008
- 91 Keyhan Sheshyekani, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Frequency-domain Analysis of Ground Electrodes Buried in an Ionized Soil due to Lightening Surge Currents ", , June 2008
- 92 Keyhan Sheshyekani, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Frequency-domain Analysis of Ground Electrodes Buried in an Ionized Soil due to Lightening Surge Currents ", , June 2008
- 93 Mansour Nejati Jahromi, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, Abdolhamid Shoory, "Analysis of lightning radiation electromagnetic fields in the vicinity of a lossy ground with variable current propagation speed along its channel ", 29th international conference on lightning protection, June 2008

- 94 Keyhan Sheshyekani, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Frequency-domain Analysis of Ground Electrodes Buried in an Ionized Soil due to Lightning Surge Currents ", , June 2008
- 95 S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "A generalized antenna theory model to estimate threat caused by lightning strike to tall towers ", , June 2008
- 96 Mansour Nejati Jahromi, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, Alireza Moghaddamjoo, "estimation of lightning channel base current waveform from radiation electromagnetic field measured data ", 29th international conference on lightning protection, June 2008
- 97 Rasoul Alaekhanghah, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "calculation of lemp coupleing with overhead lines in the presence of nonlinear loads based on the antenna theory model ", 29th international conference on lightning protection, June 2008
- 98 Seyed Hasan Seyedmoosavi, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "A Generalized Antenna Theory Model to Estimate Threat Cause by Lightning Strike to tall Towers ", 28th International Conference on Lightning Protection (ICLP 2008, June 2008
- 99 S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "online estimation of inductance of flexible cables and electrodes arms in an electric arc furnace by artificial neural network ", , May 2008
- 100 Mohammadali Khorrami, Parisa Dekhoda, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Wall thickness effects on shielding effectiveness of metallic enclosure with apertures ", 19th International Zurich Symposium on Electromagnetic Compatibility, and Asia-Pacific Electromagnetic Compatibility, APEMC, 2008., May 2008
- 101 Kazem Mazlumi, Hossein Askarian Abyaneh, S.H.H. Sadeghi, "determination of optimal PMU placement for fault location observability ", The third international conference on electric utility deregulation and restructuring and power technologies, May 2008
- 102 S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "electromagnetic interference to buried gas pipelines due to nearby electric railway systems ", , May 2008
- 103 Ebrahim Amiri, Keyhan Sheshyekani, Abdolhamid Shoory, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Statistical analysis of lightning transients in grounding grids ", 19th International Zurich Symposium on Electromagnetic Compatibility, and Asia-Pacific Electromagnetic Compatibility, APEMC, 2008., May 2008
- 104 Mohammadali Khorrami, Parisa Dekhoda, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "A fast shielding effectiveness calculation of rectangular enclosures with arbitrary shape apertures ", , December 2007
- 105 Iraj Rahimi Pordanjani, Hossein Askarian Abyaneh, S.H.H. Sadeghi, "A new generator rejection scheme based on online prediction to transient instability ", , December 2007
- 106 Rasoul Alaekhanghah, Siamak Bonyadi Ram, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "A non linear antenna theory model of lightning return stroke channel ", 18th Int. Zurich Symposium on EMC, September 2007
- 107 Hamid Reza Karami, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "A model based parameter estimation of current distribution along lightning return stroke channel ", 18th Int. Zurich Symposium on EMC, September 2007
- 108 [en-name N/A], Hossein Askarian Abyaneh, S.H.H. Sadeghi, Farhad Mazlumi, "Voltage notch indices determination using wavelet transform ", , July 2007
- 109 Iraj Rahimi Pordanjani, Hossein Askarian Abyaneh, S.H.H. Sadeghi, "design of a flexible generator rejection scheme and Its risk assessment ", Power Tech 2007, July 2007
- 110 Niloofar Farnoosh, Abdolhamid Shoory, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Ground penetrating radar modeling using a hybrid MOM- FDTD technique ", , June 2007
- 111 Mansour Nejati Jahromi, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, Alireza Moghaddamjoo, R. Alaei, Keyhan Sheshyekani, "An Intelligent CG Lightning Location System, Using Field Radiations from Return Stroke Channels ", the EMC Europe Workshop 2007, June 2007
- 112 Niloofar Farnoosh, Abdolhamid Shoory, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "A Hybrid MoM-FDTD Ground Penetrating Radar Modleing Technique to Detect Multiple Buried Objects ", International Symposium on Signal Processing and its Applications, February 2007





- 113 Seyed Abbas Mosaddeghi, [en-name N/A], S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Effects of Rain and Snow on Electromagnetic Field Radiation of Grounding System ", , September 2006
- 114 Nima Hejazi Alhosseini, Abdolhamid Shoory, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Effect of lossy ground on characteristic impedance of power transmission lines ", 28th international conference on lightning protection, September 2006
- 115 Reza Sarraf Shirazi, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Time- domain mom for calculation of EM characteristics of a cellular phone handset ", 10th International Symposium on Antenna Technology and Applied Electromagnetics [ANTEM], July 2006
- 116 Abdolhamid Shoory, Seyed Abbas Mosaddeghi, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "electromagnetic fields due to illuminated subsurface conductors: a ground penetrating radar application ", 12th International Symp. on Antenna Tech. And Applied Electromagnetics (ANTEM) and URSI/CNC Conference, July 2006
- 117 Vahid Rezaei, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Efficient calculation of shielding effectiveness for rectangular enclosures with sma apertures ", 12th International Symp. on Antenna Tech. And Applied Electromagnetics (ANTEM) and URSI/CNC Conference, July 2006
- 118 Keyhan Sheshyekani, Parisa Sattari, Mehran Hazrati, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Real-Time Detection of Lightning Electromagnetic Field Data: A Wavelet Approach ", 17th International Zurich Symposium on Electromagnetic Compatibility (EMC Zurich 2006, February 2006
- 119 Mehran Hazrati, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "On the Use of Wavelet Transform for Efficient Iterative Solution of the Electromagnetic Models in Lightning Studies ", 17th International Zurich Symposium on Electromagnetic Compatibility (EMC Zurich 2006, February 2006
- 120 Mehdi Arehpanahi, S.H.H. Sadeghi, Jafar Milimonfared, [en-name N/A], "broken rotor bar detection in induction motor via stator current derivative ", the Eighth International Conference on Electrical Machines and Systems (ICEMS2005), September 2005
- 121 Paria Sattari, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Effect of Sensor Lift-off on the Probability of Crack Detection in Surface Magnetic Field Measurement Inspection of Metals ", Industrial Electronic Conference (ICONIC2005), June 2005
- 122 Farhad Mazlumi, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "An inversion technique for predicting the depth profile of surface-breaking cracks in metals, using an open-ended waveguide probe ", International Conference on Near-Field Characterization and Imaging (ICONIC2005), June 2005
- 123 Reza Khalaj Amineh, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "A conjugate gradients method for estimation of long cracks depths in ferromagnetic metals ", , June 2005
- 124 Maryam Ravan, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "A neuro- based approach for predicting surface cracks depth profiles ", , June 2005
- 125 A. Kashaninia , Heidar Ali Talebi, S.H.H. Sadeghi, "A new neurofuzzy approach using predetermined rules for motor bearing fault detection ", the IEEE Canadian Conference on Electrical and Computer Engineering (CCECE 2005), May 2005
- 126 Amir Geranmayeh, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Fast construction of wavelet-based moment matrices in solving thin-wire electric field integral equations ", International Conference on Wireless Communications and Applied Computational Electromagnetics (IEEE/ACES2005, April 2005
- 127 Reza Hasanzadeh Pak Rezaei, Mohammad Hassan Moradi, S.H.H. Sadeghi, "Fuzzy clustering to the detection of defects from nondestructive testing ", 3rd international conference :sciences of electronic technologies of information and telecommunications (setit 2005), March 2005
- 128 S.H.H. Sadeghi, Seyed Abbas Mosaddeghi, "the effects of rain and snow on electromagnetic field radiation of grounding systems ", , March 2005
- 129 Siamak Bonyadi Ram, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Incorporation of distributed capacitive loads in the antenna theory model of lightning return stroke ", , February 2005
- 130 Keyhan Sheshyekani, Paria Sattari, Ahmad Nikraves, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "A wavelet based classifier for classification of cloud to ground lightning strokes ", , February 2005

- 131 Farhad Mazlumi, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Output signal prediction of an open ended rectangular waveguide when scanning an arbitrary shape crack on a lossy metal surface " , , December 2004
- 132 Siamak Bonyadi Ram, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Incorporation of distributed inductive loads in the antenna theory model of lightning return stroke channel " , , September 2004
- 133 Seyed Abbas Mosaddeghi, [en-name N/A], Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Electromagnetic field radiation due to energized conductors buried in multi layer soils " , , September 2004
- 134 Bahman Naghikhani, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Electromagnetic field radiation due to lightning strokes in the presence of tall building : modelling and measurement " , , September 2004
- 135 Keyhan Sheshyekani, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "A wavelet approach for detection and classification of lightning electromagnetic field data " , , September 2004
- 136 Amir Geranmayeh, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Comparison of various wavelet basis functions in solving thin wire EFIE for wide band application " , , August 2004
- 137 Farhad Mazlumi, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "An inversion procedure for sizing surface cracks in metals using an open ended waveguide probe " , , August 2004
- 138 A. Ghatrehsamani, R. Noroozian, S.Hamid Fathi, S.H.H. Sadeghi, "Mathematical modeling of power active filters for the enhancement power quality in distribution networks " , the 9 th Conference on Distribution Networks, May 2004
- 139 Reza Khalaj Amineh, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "An inversion method to estimate crack depth based on the conjugate gradients method with removal of lift-off effect in the " , , May 2004
- 140 Reza Khalaj Amineh, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "An inversion method to estimate crack depth with removal of lift off effect in SMFM technique " , , March 2004
- 141 Reza Khalaj Amineh, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Suppressing sensor lift-off effects on cracks signals in surface magnetic field measurement technique " , , December 2003
- 142 Mohammad Ali Ravanbod, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "A Wavelet Network Approach for predicting Surface Cracks Shapes " , , November 2003
- 143 Amir Hosein Salemi, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "The effect of sensor lift-off on crack depth measurement by the surface magnetic field measurement technique " , Review of Progress in Quantitative Nondestructive Evaluation, October 2003
- 144 Farhad Mazlumi, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Detection of surface cracks of arbitrary shape in metals using an open-ended waveguide probe " , Review of Progress in Quantitative Nondestructive Evaluation, October 2003
- 145 Farhad Mazlumi, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Output Signal Prediction of an Open-ended Waveguide Probe When Scanning Tilted Cracks in Metals " , , September 2003
- 146 Reza Sarraf Shirazi, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Analysis Of Electromagnetic Fields Due To A Cellular Phone handset, using the electric field integral equation method in time domain . " , , September 2003
- 147 Abdolhamid Shoory, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Analysis of Lightning Electromagnetic Fields in the Vicinity of a Lossy Ground Using a New Antenna Theory Model " , , June 2003
- 148 Abdolhamid Shoory, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "An Improved Electric Field Integral Equation For Modeling Wire Antennas Inside a Lossy Ground " , , May 2003
- 149 Naghi Tavosi Lakandasht, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "A Improved Neuro-Based Approach for Locating Cloud-to-Ground Lightning Using Radiated Electric Field Waveform Data " , , May 2003
- 150 Reza Khalaj Amineh, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "An inversion method to estimate crack depth with removal of lift _ off effect in SMFM technique . " , , March 2003
- 151 Naghi Tavosi Lakandasht, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "A Neural Network Method for Locating Cloud to Ground Lightning Stroke Channels ,Using Radiated Electric Waveform Data " , , February 2003

- 152 Siamak Bonyadi Ram, Bahman Naghikhani, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "A novel Theoretical method for prediction of the reeined cleetro mag netic fields dueto linghting strokes bysensors loeated on metal building " , , September 2002
- 153 Hamid Sedaghte, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Susceptibility Analysis of Electronic Devices in Ground Vehicle to Electromagnetic Field Radiated By Cellular Phones " , , May 2002
- 154 Javad Jamaly, Ramin Aghajafari, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Time-domain analysis of electromagnetic field distribution around a small-size EMP simulator " , , May 2002
- 155 Farhad Mazlumi, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Detection of surface cracks of arbitrary shape in metals using an open ended waveguide probe " , , May 2002
- 156 Mohammadsadegh Rahimian Emam, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "LEMP Coupling With Medium Voltage Overhead Line And Its Effects On Low Voltage Networks Wth Power Electronic Devices " , , May 2002
- 157 Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "LEMP coupling with medium voltage overhead lines and its effects on low voltage networks with power electronic devices. 2-susceptibility analysis of electronic devices in ground vehicles to electromagenetic field radiated by cellular phones " , , May 2002
- 158 Hamid Sedaghte, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "suseptibility analysis of electronic devices in ground vehicles to electromagnetic field radiated by cellular phones " , , May 2002
- 159 Mohammadsadegh Rahimian Emam, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Lemp Coupling with Medium voltiege Grerhead Line and Effect on Low voltiege Networks with power Electronic Devics " , , May 2002
- 160 Farhad Mazlumi, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Output signal prediction of an open-ended waveguide probe when scanning elliptical-shape cracks in metals " , , February 2002
- 161 Seyed Hossen Mousavi, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Transient Analysis of Electromagnetic Field Due to a Dipole Antenna in a Lossy Medium Using a Transmission Line Matrix Method " , , January 2002
- 162 Javad Jamaly, Ramin Aghajafari, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Time Domain Analysis of a Large Size Electromagnetic Pulse Simulator " , , January 2002
- 163 Siamak Bonyadi Ram, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "The effects of tall buildings on the measurement of electromagnetic fields due to lightning retun Strokes " , , August 2001
- 164 Amirreza Khajehnasiri, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "An Improved Moment Method for Microwave Surface Crack Detection Using Open-ended Waveguides " , , August 2001
- 165 Hossein Askarian Abyaneh, [en-name N/A], Ali Kargar, Shahdad Zahedi, S.H.H. Sadeghi, R.Jabarkhan, "A new optimal co_ordination method for overcurrent relays " , , June 2001
- 166 Emam Ghoreishi, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "A Modular Neural Network approach for Locating Cloud -to- Ground Lightning Strokes " , , May 2001
- 167 Siamak Bonyadi Ram, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, Behzad Kordi, "Electromagnetic Fields due to Lightning Return Stroke : Modeling and Measurmant " , , May 2001
- 168 Alireza Mahanfar, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, Siamak Bonyadi Ram, "A Novel Automated Detection of Transient Electromagnetic Fields Due to Lightning Strokes " , EEE Electromagnetic Compatibility EMC 2001, April 2001
- 169 Seyed Ali Emamghoreishi, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "A Novel Neuro - Based Approach for Predicting the Location of Cloud -to -Ground Lightning Return Strokes " , , February 2001
- 170 Mohammadsadegh Rahimian Emam, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "Effect of Lightning Overvoltage on Low-voltage Sensivite Devices Induced by Lightning Strookes Around Distribution Overhead Lines " , , January 2001
- 171 S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, Alireza Mahanfar, "An Improved Generalized network formulation of electromagnetic fields for crack detection and sizing in metals, using open-ended waveguides " , Review of Progress in Quantitative Nondestructive Evaluation, January 2001

- 172 S.H.H. Sadeghi, Shahram Montaser Kouhsari, Artin Der Minasians, "The effect of transformers Phase-Shifts on harmonic Penetration calculation in a steel mill plant " , , October 2000
- 173 Mohammadsadegh Rahimian Emam, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "A New Method for the Calculation of LEMP Coupling with Overhead Lines in the Presence of Nonlinear Loads " , , April 2000
- 174 Amir Hosein Salemi, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "On the Suitability of Inducer Sensor Displacement in SMFM Probes for Enhancment of Crack Detection Sensitivity in Ferrous Metal " , , January 2000
- 175 Mohammadsadegh Rahimian Emam, S.H.H. Sadeghi, Rouzbeh Moini Mazandaran, "A Combined ATM-EMTP Allgorithm for the Calculation of Induced Overvoltage on Distribution Lines Due to Nearby Lighning Strokes " , , January 2000
- 176 Amir Hosein Salemi, S.H.H. Sadeghi, "Sensitivity analysis of the SMFM tech for measuring the thichness of a canducting plate . " , , May 1999
- 177 Behzad Kordi, Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Comparison of the Transmission Line Coupling Model with the EFIE Approach for Lightning Induced Overvoltage Prediction " , , February 1999
- 178 Amir Hosein Salemi, S.H.H. Sadeghi, "Sensitivity analysis of the SMFM technique for measuring the thickness of a Conducting plate " , , January 1999
- 179 Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, Alireza Mahanfar, Siamak Bonyadi Ram, "Modeling and Measurement of Electric Field Due to Cloud _ To _ Ground Lightning Return Stroke . " , , January 1999
- 180 Rouzbeh Moini Mazandaran, S.H.H. Sadeghi, "Direct Measurement of Lightning Discharge Using its Elctromagnetic Radiation " , , April 1998
- 181 S.H.H. Sadeghi, "Field distribution due to a current carrying loop of arbitrary shape " , , January 1996
- 182 S.H.H. Sadeghi, "Induction Coil Shape and Size Considerations in Magntic Field Measurement With Spatially Fast Varying Ditribution " , , March 1995
- 183 S.H.H. Sadeghi, "Analysis of the electromgnetic field distribution near a conducting plane of arbitrary thickness and conductivity due to a rectangular coil " , , March 1995
- 184 S.H.H. Sadeghi, D. Mirshekar-Syahkal, "Two dimensional inversion of crack signal in surface magnetic field measurement technique " , Review of Progress in Quantitative Nondestructive Evaluation, January 1995
- 185 S.H.H. Sadeghi, "Advances in surface magnetic field measurement technique for detection and sizing of surface _breaking cracks in offshore structures " , , March 1994
- 186 S.H.H. Sadeghi, D. Mirshekar-Syahkal, "Accuracy of the image technique for calculating electromagnetic field at the surface of a flawless ferromagnetic metal " , Review of Progress in Quantitative Nondestructive Evaluation, January 1993
- 187 S.H.H. Sadeghi, D. Mirshekar-Syahkal, "Computer simulations of induced surface electromagnetic fields around circular-arc cracks in ferromagnetic metals " , Review of Progress in Quantitative Nondestructive Evaluation, January 1992
- 188 S.H.H. Sadeghi, D. Mirshekar-Syahkal, "A combined ACFM-SMFM system for real-time detection and sizing of surface cracks " , Review of Progress in Quantitative Nondestructive Evaluation, January 1991
- 189 S.H.H. Sadeghi, D. Mirshekar-Syahkal, "Surface electromagnetic fields about cracks in metals for an incident field produced by U-shaped current-carrying wires " , Review of Progress in Quantitative Nondestructive Evaluation, January 1991
- 190 S.H.H. Sadeghi, D. Mirshekar-Syahkal, "A new technique for sizing cracks in metals, utilizing an induced magnetic field " , Review of Progress in Quantitative Nondestructive Evaluation, January 1990
- 191 S.H.H. Sadeghi, D. Mirshekar-Syahkal, "A method for sizing long surface cracks in metals based on the measurement of the surface magnetic field " , Review of Progress in Quantitative Nondestructive Evaluation, January 1990
- 192 S.H.H. Sadeghi, D. Mirshekar-Syahkal, "Study of the effect of the frequency in crack depth measurement by the ACFM field technique " , Review of Progress in Quantitative Nondestructive Evaluation, January 1988

Taught Courses

#	Course title	Description	Headlines	Date
1	Technical English	To become familiar with technical English terms and concepts in electrical engineering through oral and written presentations on related topics		Fall 2021
2	Technical English	To become familiar with technical English terms and concepts in electrical engineering through oral and written presentations on related topics		Spring 2021
3	Research Methods & Report Writing	Learning how to research and deliver oral and written presentations of scientific topics		Spring 2021
4	Technical English	The objective of this course is to familiarize EE undergraduate students with EE technical English terms through oral and written presentations		Fall 2020