Curriculum Vitae



Informaţii personale

Prenume / Nume: **Elena HELEREA**
E-mail: helerea@unitbv.ro

Experienţa profesională

Perioada: 1976-2024
Numele şi adresa angajatorului: Universitatea Transilvania din Braşov, România, www.unitbv.ro
Facultatea de Inginerie Electrică şi Stiinţa Calculatoarelor, www.unitbv.ro/fiesc/
Poziţia ocupată: Profesor Universitar Dr.Ing. (începând din 1999 pana in 2017)
actual: Profesor asociat, conducator de doctorat
Activităţi principale şi responsabilităţi: Cercetare în domeniul Inginerie Electrică (incepând cu anul 1976)
Educație în Materiale electrotehnice, Masini electrice, Calitatea energiei, Istoria ingineriei electrice, Comunicare profesională

- Responsabil Centrul de cercetare Sisteme Electrice Avansate (2010-2015)
- Sef laborator de cercetare în Compatibilitate Electronmagnetică (2010-2016)
- Coordonator doctorat în Ingineria electrică (din 2004)
- Coordonator program master Sisteme Electrice Avansate (2004-2015)
- Director al Bibliotecii Universitaţii Transilvania din Braşov (2008-2012)
- Prorector cu actiivtatea didactică (2004-2008)
- Adjunct Sef catedră Electrotehnică (1996-1999)
- Director al Colegiului Universitar Tehnic (1992-1995)

Perioada: 1975-1976
Numele şi adresa angajatorului: Combinatul Chimic Făgăraş
Activităţi principale şi responsabilităţi:

- Cercetare şi proiectare de sisteme de alimentare cu energie electrică
- Proiectarea de sisteme de măsură, comandă şi control pentru industria chimică

Perioada: 1970-1975
Numele şi adresa angajatorului: Grupul Scolar de Chimie din Făgăraş
Activităţi principale şi responsabilităţi:

- Discipline didactice: Măsurări electrice, Automatizări, Fizică, Electrotehnică
- Responsabil laborator Aparate de măsură, control şi automatizări

Educaţie şi instruire

Perioada: 2001-2007
Titlul/Calificarea obţinută: Curs postuniversitar “Metode interactive in procesul de predare-învăţare-evaluare” (2006-2007)
Curs postuniversitar “Management strategic pentru mediul urban şi industrial” (2000-2001)
Numele organizaţiei care a instruit: Universitatea Transilvania din Braşov

Perioada: 1998-1999
Titlul/Calificarea obţinută: Curs postuniversitar “Learning about Distance Learning“
Numele organizaţiei care a instruit: Watt – Herriot University, Scotland

Perioada: 1984-1987
Titlul/Calificarea obţinută: Doctor în Ingineria Electrică
Subiect principal: Titul tezei de doctorat: *Contribuţii la îmbunătăţirea calităţii izolaţiei electrice din mase plastice folosite în echipamentul electric al autovehiculelor şi aeronavelor*
Numele organizaţiei care a instruit: Universitatea Politehnica din Bucureşti

Perioada: 1965-1970
Titlul/Calificarea obţinută: Inginer, profil Electric, specializarea Electromecanică
Numele organizaţiei care a instruit: Universitatea Transilvania din Braşov (Institutul Politehnic Braşov)

Activitate didactică

- Cursuri predate: Materiale electrotehnice, Electrical materials for electrical engineering, Componente pasive, Calitatea energiei electrice, Compatibilitate electromagnetică, Monitorizarea calităţii energiei electrice, Evoluţia tehnicii şi tehnologiei, Stabilitatea sistemelor energetice
- Cooperare cu inst. Din Uniunea Europeană, ca responsabil de proiect:
  (1994-1996) Proiect Tempus DÉCOR; (1996-1999) Proiect Tempus CONEET – CONEET; (1999–2001) Proiect Tempus: EuRoCEP; (2005-2008) Proiect pilot Leonardo COMPLETE; (2005-2006) Proiect Leonardo EURO-Land; (2010-2012) Proiect Tempus ISTeMag; (2011-2012) Proiect în programul Europe for citizens OPPENESS; (2013-2014) Proiect Grundvig WISE

Activitate de cercetare

- Granturi câştigate prin competiţie naţională
  - Contract CEEX, Modul I, Nr. 2-CEx06-8-85/19.09.2006, CEREX - Modele şi indicatori de evaluare a calităţii cercetării stiintifice in universitati in contextul societatii bazate pe cunoastere, 2006-2008, 1496290 lei, Director;

- Contract CEEX, Modul I, P-CD, Nr. 215/2006 – MAGME - Materiale magnetice cu performante superioare utilizate in constructia masinilor electrice, 2006-2008, 1494775 lei, Director consortiu;
- CNCSIS–Consorţiu 6GR Nr.188/05.06.2006, Modelări şi simulări privind comportarea în regim dinamic a materialelor magnetice cu proprietăţi controlate, 2006-2008, 791426 lei, Director consortiu

- Contracte de cercetare
  - Proiecte internaţionale – 19, din care la 9 director de proiect
  - Proiecte şi contracte naţionale – 21 , din care la 12 director de proiect
  - Contracte cu terţi – 29, din care responsabil de contract – 9
- Publicaţii
  - 6 cursuri si 4 indrumare de laborator
  - 14 monografii ca autor, din care la 8 ca unic autor, 1 în editură internaţională
  - 15 cărţi şi volume ale conferinţelor, ca editor/coordinator, din care 2 în edituri internaţionale
  - peste 300 de articole ştiinţifice publicate în conferinţe naţionale şi internaţionale, din care: 47 articole indexate ISI, 55 articole indexate BDI (SCOPUS), 25 articole indexate IEEE
  - peste 300 citări în publicaţii ISI
  - peste 550 citări în publicaţii indexate BDI (excepţie ISI)
- Index H: Web Of Science - 8; Scopus – 10; Google - 13
- Coordonare teze de doctorat – 16 teze finalizate
- Membru în Comisii de examinare şi evaluare a tezelor de doctorat (25 examinări), la universităţi din Bucureşti (15), Craiova (1), Cluj-Napoca (2), Iaşi (2), Braşov (5).

Informatii adiţionale

Asociaţii profesionale

AGIR – Asociaţia Inginerilor din Romania
ACER – Asociaţia Română de Compatibilitate Electromagnetică
CRIFST – Comitetul Roman pentru Istoria şi Filosofia Stiintei şi Tehncii al Academiei Române
IEEE Chaptere: Dielectrics, Magnetics, CEM, Measurements, Education (No. 41385433)
ICOHTEC – International Committee for History of Technology

Colective editorial şi recenzor

- Pollack Periodica, An International Journal for Engineering and Information Sciences, Akadémia Kiadó, Hungary, ISSN 1788-1994, http://akkrt.hu/55/journals/products/engineering_sciences/pollack_periodica_eng
- Bulletin of the Transilvania University of Brasov - Series I - Engineering Sciences – [Vol. 1 (50) – 2008] – [Vol. 7(56) NO.1 – 2014], ISSN 2065-2135, http://but.unitbv.ro/Bulletin/Series%20I/Series%20I.html
- Noema, Academia Română
- Recenzor la 10 reviste naţionale şi internaţionale

Comisii de evaluare

Evaluator ARACIS
Evaluator CNCSIS

Recunoaştere si alte responsabilităţi

Profesor onorific al Universitătii din Pecs, Ungaria (din 2011); Membru in Comitetul IEEE-Secţiunea România; Presedinte al filialei Brasov a CRIFST al Academiei Române; Membru în Comitetul Executiv al ICOHTEC.

Braşov, 28 februarie 2026

Prof. Univ. Dr.Ing. Elena Helerea

Lista de lucrări (selecţie)
Prof.dr.ing. Elena Helerea

1. **Elena Helerea, Marius D. Calin, Cristian Mușuroi, Water-Energy Nexus and Energy Transition- A Review, 2022, Energies 15, x. https://doi.org/10.3390/pp.1-34.**
2. **Mușuroi, C., Oproiu, M., Volmer, M., (...), Avram, M., Helerea, E., Low field optimization of a non-contacting high-sensitivity gmr-based dc/ac current sensor, 2021, Sensors, 21(7),2564**
3. Marius Volmer, Cristian Mușuroi, Mihai Oproiu, Andrei Avram, Marioara Avram, Elena Helerea, On Detection of Magnetic Nanoparticles Using a Commercial GMR Sensor, Conference OPTIM-ACEMP, Sept. 2021, Brasov.
4. Calin M.D., Helerea E., Aciu L.E., PV System Testing under Lightning Conditions, Conference OPTIM-ACEMP, Sept. 2021, Brasov.
5. Cojanu V., Helerea E., On the Water-Energy Relationship in the Case of Water Supply Systems, 2021 International Conference on Applied and Theoretical Electricity, ICATE 2021 – Proceedings, 9464941, May 27-29, 2021, Craiova.
6. Elena Helerea, Lia-Elena Aciu, Metamaterials – Current and Future Trends, Annals of the University of Craiova, Electrical Engineering series, No. 44, Issue 1, 2020; ISSN 1842-4805, pp. 20-28.
7. Cojanu, Vlad; Helerea, Elena, Applying the mathematical optimization model in water distribution management, IOP Conference Series: Materials Science and Engineering, 2020, 789(1),012011 .
8. Anghel, G., Anghel, I.A., Calin, M.D., Helerea, E., Mathematical models in Euclidean geometry. The mathematical model for determining the coordinates of Gergonne's point. the mathematical model of 4 determining the equation of the Adams circle, 2020, eLearning and Software for Education Conference, pp. 544-560.
9. Anghel, I.A., Anghel, G., Calin, M.D., Helerea, E., The mathematical model for determining the coordinates of noobs points, determining the equation of gergonne's straight line, 2020, eLearning and Software for Education Conference, pp. 561-574.
10. Anghel, G., Anghel, I.A., Călin, M.D., Helerea, E., Mathematical models of hysteresis cycles used for learning, 2020, eLearning and Software for Education Conference, pp. 453-460.
11. Moraru, Aurelian; Ursachi, Corneliu; Helerea, Elena, A New Washable UHF RFID Tag: Design, Fabrication, and Assessment, **SENSORS,** Volume: 20 , Issue: 12 , Article Number: 3451, Published: JUN 2020.
12. Paltanea, Gheorghe; Manescu (Paltanea), Veronica; Helerea, Elena; et al., Cutting Technologies Influence on Magnetic Properties of Electrical Steels used in High-Efficiency Motors Manufacturing, Conference: International Aegean Conference on Electrical Machines and Power Electronics (ACEMP) / International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) Location: Bahcesehir Univ, Istanbul, TURKEY Date: AUG 27-29, 2019, Pages: 166-171 Published: 2019 .
13. Moraru, Aurelian; Ursachi, Corneliu; Helerea, Elena, Near and Far Field Measurements in Industrial Environment of Passive UHF RFID Tags, Conference: 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE) Location: Bucharest, ROMANIA Date: MAR 28-30, 2019, Book Series: International Symposium on Advanced Topics in Electrical Engineering Published: 2019
14. Mihai, C., Helerea, E., Reliability and Continuity Indicators Estimation in System of Electrical Power Supply to the Consumer, Proceedings of the 8th International Conference on Modern Power Systems, MPS 2019, 8759659
15. Popov, A., Fratu, A., Lepadat, I., Helerea, E., Cojanu, V., Monitoring the Cost of Energy for Powering the Railway Electric Traction System, Proceedings of 2019 8th International Conference on Modern Power Systems, MPS 2019, 8759724
16. **Pierrat, Lambert; Helerea, Elena; Sangeorzan, Livia, Statistical and Physical Approaches on the Initial Failure Rate of High Voltage Power Transformers, Conference: International Conference on Applied and Theoretical Electricity (ICATE) Location: Craiova, ROMANIA Date: OCT 04-06, 2018, Book Series: International Conference on Applied and Theoretical Electricity, Published: 2018**
17. **Moraru, A.; Helerea, E.; Ursachi, C., Passive RFID Tags for Textile Items - Requirements and Solutions, Conference: International Symposium on Fundamentals of Electrical Engineering (ISFEE) Location: Univ Politehnica Bucharest, Fac Elect Engn, Elect Engn Dept, Bucharest, Romania, Date: Nov 01-03, 2018, Published: 2018**
18. **Anghel, Gheorghe; Anghel, Iulia Andreea; Helerea, Elena, Visual Solutions Developed With Graph 4.3 Software Based on a Mathematical Model for Determining the Coordinates of Brocard Points in Euclidean Geometry, Conference: 14th International Scientific Conference on eLearning and Software for Education - eLearning Challenges and New Horizons Location: Bucharest, Romania Date: Apr 19-20, 2018, E-learning Challenges and New Horizons, Vol 1, Book Series: eLearning and Software for Education, Pages: 333-342, Published: 2018**
19. **Anghel, Gheorghe; Anghel, Iulia Andreea; Calin, Marius Daniel; et al., Magnetics Tutorial. Modelling Permanent Magnets Using the Electromagnetic Software FEMM 4.2, Conference: 14th International Scientific Conference on eLearning and Software for Education - eLearning Challenges and New Horizons Location: Bucharest, Romania, Date: Apr 19-20, 2018, E-learning Challenges and New Horizons, Vol 4, Book Series: eLearning and Software for Education, Pages: 267-274 , Published: 2018**
20. Lungoci, S., Helerea, E., Lungoci, G., Ciofoaia, V., The relationship of ozone, CFCs and ultraviolet radiation. why is ozone so important? J. Environ. Prot. Ecol., 4(2), pp. 258-268
21. **Calin, Marius Daniel; Helerea, Elena; Anghel, Gheorghe, Temperature Influence and Measurement Uncertainty on NdFeB Magnetic Characteristics, Conference: 5th International Symposium on Electrical and Electronics Engineering (ISEEE) Location: Galati, Romania, Date: Oct 20-22, 2017, Book Series: International Symposium on Electrical and Electronics Engineering Published: 2017**
22. **Lepadat, Ionel; Helerea, Elena; Abagiu, Sorin; et al., Losses in Power Supply System of Industrial Consumers - A Technical and Economic Issue, Conference: 5th International Symposium on Electrical and Electronics Engineering (ISEEE) Location: Galati, ROMANIA Date: OCT 20-22, 2017, Book Series: International Symposium on Electrical and Electronics Engineering Published: 2017**

23. Mihai, Catalin; Helerea, Elena, Load forecasting using artificial neural networks for industrial consumer, Conference: 7th International Conference on Modern Power Systems (MPS) Location: Cluj Napoca, Romania, Date: JUN 06-09, 2017
24. Lepadat, Ionel; Helerea, Elena; Abagiu, Sorin; et al., Impact of Distributed Generation on Voltage Profile and Power Losses in a Test Power Grid, Conference: International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) / Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP) Location: Transilvania Univ Brasov, Brasov, Romania, Date: MAY 25-27, 2017, Pages: 128-133 Published: 2017
25. Wang, Yaw-Juen; Pierrat, Lambert; Helerea, Elena, Balancing a Three-Phase Induction Motor Supplied from a Single-Phase Source with Two SVCs, Conference: International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) / Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP) Location: Transilvania Univ Brasov, Brasov, ROMANIA Date: MAY 25-27, 2017, Pages: 268-274 Published: 2017
26. Moraru, Aurelian; Helerea, Elena; Ursachi, Corneliu; et al., RFID System with Passive RFID Tags for Textiles, Conference: 10th International Symposium on Advanced Topics in Electrical Engineering (ATEE) Location: Bucharest, ROMANIA Date: MAR 23-25, 2017, Book Series: International Symposium on Advanced Topics in Electrical Engineering Pages: 410-415 Published: 2017
27. Pierrat, Lambert; Helerea, Elena, A New Stochastic Criterion of Restoration Time after Collapse of a Large Power Network, Conference: International Symposium on Fundamentals of Electrical Engineering (ISFEE) Location: ROMANIA Date: JUN 30-JUL 02, 2016, Published: 2016
28. Helerea, Elena; Ilea, Danut; Moasa, Beatrice, On Adequacy of Electrical Engineering and Computers Curriculum to Current and Future Technological Challenges - A Case Study, Conference: 17th IEEE International Power Electronics and Motion Control Conference (PEMC) Location: Varna, BULGARIA Date: SEP 25-30, 2016, Book Series: IEEE International Power Electronics and Motion Control Conference IPEMC, Pages: 977-982 , Published: 2016
29. Ghita, Beatrice; Helerea, Elena, Qualification of Polymeric Compounds for Electrostatic Discharge Protection, Conference: International Conference on Applied and Theoretical Electricity (ICATE) Location: Craiova, ROMANIA Date: OCT 06-08, 2016, Book Series: International Conference on Applied and Theoretical Electricity, Published: 2016
30. Lungoci, Carmen; Helerea, Elena; Sorea, Dan, Multidisciplinary method to apply systhem theory in electrical circuit analysis, Conference: 13th International Conference on Development and Application Systems (DAS) Location: Suceava, Romania, Date: May, 19-21, 2016, Pages: 219-224, Published: 2016
31. Mariut, Elena Larisa; Helerea, Elena, Variation of Tower Footing Resistance on the Lightning Surge Propagation through Overhead Power Distribution Lines, Advances in Electrical and Computer Engineering, Volume: 16 , Issue: 1 , Pages: 99-106, Published: 2016
32. Abagiu, Sorin; Lepadat, Ionel; Helerea, Elena, Solutions for Energy Losses Reduction in Power Networks with Renewable Energy Sources, Conference: International Conference on Applied and Theoretical Electricity (ICATE) Location: Craiova, ROMANIA Date: OCT 06-08, 2016, Book Series: International Conference on Applied and Theoretical Electricity, Published: 2016
33. Pricop, Valentin; Helerea, Elena; Calin, Marius Daniel, Influence of Alloy Elements on Magnetic Properties of Electrical Steels, Conference: International Conference on Applied and Theoretical Electricity (ICATE) Location: Craiova, ROMANIA Date: OCT 06-08, 2016, Book Series: International Conference on Applied and Theoretical Electricity, Published: 2016
34. Mariut, Elena Larisa; Helerea, Elena; Ursachi, Corneliu, Electric potential assessment near distribution power lines caused by lightning surge wave propagation, Conference: Int Aegean Conference on Electrical Machines and Power Electronics (ACEMP) / Int Conference on Optimization of Electrical and Electronic Equipment (OPTIM) / Int Symposium on Advanced Electromechanical Motion Systems (ELECTROMOTION) Location: Side, Turkey, Date: Sep 02-04, 2015, Pages: 693-698 , Published: 2015 .
35. Pricop, Valentin; Helerea, Elena; Cernat, Mihai, Selection of Soft Magnetic Materials for Particle Accelerator Magnets, Conference: Int Aegean Conference on Electrical Machines and Power Electronics (ACEMP) / Int Conference on Optimization of Electrical and Electronic Equipment (OPTIM) / Int Symposium on Advanced Electromechanical Motion Systems (ELECTROMOTION) Location: Side, TURKEY Date: SEP 02-04, 2015, Published: 2015
36. Ursachi, Corneliu; Helerea, Elena; Mariut, Elena Larisa; et al., Mathematical Expression of Electromagnetic Pulse in Immunity Standards, Conference: Joint IEEE International Symposium on Electromagnetic Compatibility (EMC) and EMC Europe Location: Dresden, Germany, Date: Aug 16-22, 2015, Book Series: IEEE International Symposium on Electromagnetic Compatibility, Pages: 1357-1362 , Published: 2015
37. Abagiu, Sorin; Lepadat, Ionel; Helerea, Elena, Influence of Dispersion Earth Resistance Variation on the Consumers Operation, Conference: International Conference on Applied and Theoretical Electricity (ICATE) Location: Craiova, ROMANIA Date: OCT 23-25, 2014, Book Series: International Conference on Applied and Theoretical Electricity, Published: 2014
38. Serban, Mariana; Helerea, Elena; Munteanu, Adrian, The Water Impact on the Aging of Power Transformer Oil, Conference: International Conference on Applied and Theoretical Electricity (ICATE) Location: Craiova, Romania, Date: Oct 23-25, 2014, Book Series: International Conference on Applied and Theoretical Electricity, Published: 2014
39. Moasa, Beatrice; Helerea, Elena; Ignat, Mircea; et al., Experimental Research on Dissipative Textile Structures, Conference: International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) Location: Romania, Date: May 22-24, 2014, Pages: 155-160, Published: 2014
40. Lepadat, Ionel; Helerea, Elena; Abagiu, Sorin, Effect of the Neutral Interruption on the Unbalanced Three-Phase Consumers, Conference: International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) Location: Romania, Date: May 22-24, 2014, Pages: 192-197 , Published: 2014
41. Mihai, Catalin; Helerea, Elena; Sangerzan, Livia, Characterization of Voltage Variations through the Application of Experimental Statistics, Conference: International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) Location: Romania Date: May 22-24, 2014, Pages: 198-203 , Published: 2014
42. Ursachi, Corneliu; Helerea, Elena, Immunity to Electrical Fast Transient Pulses of Computer Systems, Conference: International Conference on Applied and Theoretical Electricity (ICATE) Location: Craiova, Romania, Date: Oct 23-25, 2014, Book Series: International Conference on Applied and Theoretical Electricity, Published: 2014

43. Mariut, Larisa; Helerea, Elena, Electromagnetic Analysis - Application to Lightning Surge Phenomena on Power Lines, Conference: 2014 International Symposium on Fundamentals of Electrical Engineering (ISFEE) Location: University Politehnica Bucharest, Bucharest, Romania, Date: Nov 28-29, 2014, Published: 2014
44. Pricop, V.; Helerea, E.; Scutaru, Gh., Fitting Magnetic Hysteresis Curves by Using Polynomials, Conference: 2014 International Symposium on Fundamentals of Electrical Engineering (ISFEE) Location: University Politehnica Bucharest, Bucharest, Romania, Date: Nov 28-29, 2014, Published: 2014
45. Anca, Ciobanu; Elena, Helerea, Analysis of Magnetic Field Distribution in Induction Motors with Broken Rotor Bars, Conference: 4th International Symposium on Electrical and Electronics Engineering (ISEEE) Location: Dunarea de Jos Univ Galati, Galati, Romania, Date: Oct 11-13, 2013, Published: 2013
46. Calin, M. D.; Ursachi, C.; Helerea, E., Electromagnetic Environment Characteristics in an Urban Area, Conference: 4th International Symposium on Electrical and Electronics Engineering (ISEEE) Location: Dunarea de Jos Univ Galati, Galati, Romania, Date: Oct 11-13, 2013, Published: 2013
47. Elena, Helerea; Ionel, Lepadat; Anca, Ciobanu, Impact of Three-Phase Voltage Dips on the Induction Motors - An Experimental Study, Conference: 4th International Symposium on Electrical and Electronics Engineering (ISEEE) Location: Dunarea de Jos Univ Galati, Galati, Romania, Date: Oct 11-13, 2013, Published: 2013
48. Mariut, Larisa; Helerea, Elena, Influence of Voltage Waveforms on Partial Discharges Developed in Power Cable Insulation, Revue Roumaine des Sciences Techniques-Serie Electrotechnique et Energetique Volume: 58 , Issue: 1 , Pages: 43-52 , Published: Jan-Mar 2013
49. Mariut, Larisa; Helerea, Elena, Multiple Stress Life Analysis on Underground Power Cables from Distribution Networks, Conference: 3rd IFIP/SOCOLNET Doctoral Conference on Computing, Electrical and Industrial Systems Location: Costa de Caparica, Portugal, Date: FEB 27-29, 2012, Book Series: IFIP Advances in Information and Communication Technology Volume: 372 Pages: 275-282 , Published: 2012
50. Ciobanu, Anca; Helerea, Elena; Peter, Ioan, An Experimental Comparative Analysis for Broken Rotor Bars Diagnosis, Conference: 11th International Conference on Applied and Theoretical Electricity (ICATE) Location: Craiova, Romania Date: Oct 25-27, 2012, Published: 2012
51. Helerea, Elena; Moasa, Beatrice; Ciobanu, Anca, Analysis of Electrostatic Environment and Discharge Models, Conference: 11th International Conference on Applied and Theoretical Electricity (ICATE) Location: Craiova, Romania, Date: Oct 25-27, 2012, Published: 2012
52. Lepadat, Ionel; Helerea, Elena; Sorin, Abagiu; et al., Modeling and Simulation of the Three Phase Systems in Distorted and Unbalanced Conditions, Conference: 11th International Conference on Applied and Theoretical Electricity (ICATE) Location: Craiova, Romania Date: Oct 25-27, 2012, Published: 2012
53. Mariut, Larisa; Helerea, Elena; Lungoci, Gavril; et al., Thermal Analysis of Underground Power Cables-A Monitoring Procedure, Conference: 11th International Conference on Applied and Theoretical Electricity (ICATE) Location: Craiova, Romania Date: Oct 25-27, 2012, , Published: 2012
54. Moasa, Beatrice; Helerea, Elena,Testing Equipment to Electrostatic Discharge. Case Study-Communication Cables, Conference: 11th International Conference on Applied and Theoretical Electricity (ICATE) Location: Craiova, Romania Date: Oct 25-27, 2012, Published: 2012
55. Oltean, Ioan D.; Helerea, Elena, Improving the Behaviour of Portable Power Supply for Pulsated Loads, Conference: 11th International Conference on Applied and Theoretical Electricity (ICATE) Location: Craiova, Romania Date: Oct 25-27, 2012, Published: 2012
56. Matoi, Adrian Marian; Sangeorzan, Livia; Helerea, Elena, Electromagnetic Environment Characterization Using Statistical Methods, Conference: 13th International Conference on Optimization of Electridcal and Electronic Equipment Location: Brasov, ROMANIA Date: MAY 24-26, 2012, Book Series: Proceedings of the International Conference on Optimization of Electrical and Electronic Equipment Pages: 54-60 Published: 2012
57. Mariut, L.; Helerea, E.; Cavallini, A., Correlation between PDIV and Life Distribution under Different Testing Waveforms, Conference: 13th International Conference on Optimization of Electrical and Electronic Equipment Location: Brasov, Romania Date: MAY 24-26, 2012, Book Series: Proceedings of the International Conference on Optimization of Electrical and Electronic Equipment Pages: 130-135 Published: 2012
58. Lepadat, Ionel; Mihai, Catalin; Helerea, Elena, Considerations on the Unbalance Regime of the Three-Phase Consumers, Conference: 13th International Conference on Optimization of Electrical and Electronic Equipment Location: Brasov, Romania Date: MAY 24-26, 2012, Book Series: Proceedings of the International Conference on Optimization of Electrical and Electronic Equipment Pages: 151-156 Published: 2012
59. Rosca, Ioan Calin; Filip, Melania; Helerea, Elena, Three-Phase Squirrel-Cage Induction Motor Modal Analyses. Theoretical and Experimental Aspects, Conference: 13th International Conference on Optimization of Electridcal and Electronic Equipment Location: Brasov, Romania, Date: May 24-26, 2012, , Book Series: Proceedings of the International Conference on Optimization of Electrical and Electronic Equipment Pages: 606-611 Published: 2012
60. Calin, Marius-Daniel; Helerea, Elena, Temperature Influence on Magnetic Characteristics of NdFeB Permanent Magnets, Conference: 7th International Symposium on Advanced Topics in Electrical Engineering (ATEE) Location: Bucharest, Romania, Date: May 12-14, 2011, Book Series: International Symposium on Advanced Topics in Electrical Engineering Published: 2011
61. Mariut, E. L.; Helerea, E., Enhancing Reliability for Medium Voltage Underground Power Lines, Conference: 7th International Symposium on Advanced Topics in Electrical Engineering (ATEE) Location: Bucharest, Romania, Date: May 12-14, 2011, Book Series: International Symposium on Advanced Topics in Electrical Engineering, Published: 2011
62. Sofonea, Liviu Alexandru; Helerea, Elena; Cotorobai, Victoria; et al., Relevant Techno-Logized Landscapes in Carpathean-Danubean-Pontean Space/Romania, Analyzed & Exposed in The Complex Programme Paleo-Technika-Casus from Sibiu & Marginime Area relevant for Vita et Ars Militaria, Conference: 17th International Conference on the Knowledge-Based Organization (KBO 2011) Location: Sibiu, Romania Date: Nov 24-26, 2011, Book Series: Knowledge Based Organization International Conference, Pages: 177-181 , Published: 2011

63. Motoasca, Septimiu; Nicolaide, Andrei; Helerea, Elena, Simple Analytical Method for Hysteresis Modelling using LabView, revue Roumaine des Sciences Techniques-Serie Electrotechnique et Energetique, Volume: 55 , Issue: 3 , Pages: 261-267 Published: Jul-Sep 2010
64. Mariut, L.; Filip, M.; Helerea, E.; et al., Analysis and Modeling on the Induction Machine Faults, Conference: 3rd International Symposium on Electrical and Electronics Engineering (ISEEE) Location: Univ Galati, Galati, Romania Date: Sep 16-18, 2010, Pages: 11-16 , Published: 2010
65. Calin, M. D.; Helerea, E.; Oltean, I. D., New Considerations Regarding Frequency Influence on Soft Magnetic Materials Characteristics, Conference: 3rd International Symposium on Electrical and Electronics Engineering (ISEEE) Location: Univ Galati, Galati, Romania Date: Sep 16-18, 2010, Pages: 39-44 , Published: 2010
66. Matoi, Adrian Marian; Helerea, Elena, Active System for Electromagnetic Perturbation Monitoring in Vehicles, Conference: 1st IFIP Doctoral Conference on Computing, Electrical and Industrial Systems Location: Costa de Caparica, Portugal, Date: Feb 22-24, 2010, Book Series: IFIP Advances in Information and Communication Technology, Volume: 314 Pages: 409-416 , Published: 2010
67. Serban, Mariana; Sangeorzan, Livia; Helerea, Elena, On the Mineral and Vegetal Oils Used as Electroinsulation in Transformers, Conference: 1st IFIP Doctoral Conference on Computing, Electrical and Industrial Systems Location: Costa de Caparica, Portugal, Date: Feb 22-24, 2010, Book Series: IFIP Advances in Information and Communication Technology, Volume: 314 , Pages: 435-442 , Published: 2010
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