

Anexa 1

Lista completă a cărților/manualelor/îndrumarelor, articolelor/lucrărilor

A. Lista celor maximum 10 lucrări considerate de către candidat a fi cele mai relevante pentru realizările profesionale proprii, care sunt incluse în format electronic în dosar:

1. Marian Gaiceanu (2014). Tool of the Complete Optimal Control for Variable Speed Electrical Drives, MATLAB Applications for the Practical Engineer, Mr Kelly Bennett (Ed.), ISBN: 978-953-51-1719-3, InTech, DOI: 10.5772/57521. Available from: <http://www.intechopen.com/books/matlab-applications-for-the-practical-engineer/tool-of-the-complete-optimal-control-for-variable-speed-electrical-drives>, pp339-374 (36 pag)
2. M.Gaiceanu, MATLAB/Simulink-Based Grid Power Inverter for Renewable Energy Sources Integration, capitol in MATLAB - A Fundamental Tool for Scientific Computing and Engineering Applications - Volume 3, Edited by Vasilios N. Katsikis, ISBN 978-953-51-0752-1, Hard cover, 484 pages, Publisher: InTech, DOI: 10.5772/3339, pp (32pag);
3. Marian GĂICEANU, Conceperea și implementarea structurilor de control pentru sistemele convertor-mașină. Aplicații., Editura Universității „Dunărea de Jos” din Galați, ISBN 978-606-696-012-0 , Galați 2014; pp. 195, Galati University Press
4. Marian GĂICEANU, Acționări electrice. Aplicații., Editura Universității „Dunărea de Jos” din Galați ISBN 978-686-696-013-7, 2014, pp210, Galati University Press
5. M.Gaiceanu, R.Solea, B. Codres, C. Eni , Efficient DC Drive System by using Adaptive Control , Book Group Author(s): IEEE Conference: International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) Location: ROMANIA Date: MAY 22-24, 2014 Sponsor(s): IEEE Ind Elect Soc; IEEE Ind Applicat Soc; IEEE Power Elect Soc; Transilvania Univ Brasov, 2014 INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT (OPTIM) Pages: 381-388 Published: 2014; Articol indexat ISI
6. Solea, Razvan; Gaiceanu, Marian; Codres, Bogdan; et al. Nonlinear Sliding-Mode Control for Permanent Magnet Synchronous Machine, By: Book Group Author(s): IEEE Conference: International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) Location: ROMANIA Date: MAY 22-24, 2014 Sponsor(s): IEEE Ind Elect Soc; IEEE Ind Applicat Soc; IEEE Power Elect Soc; Transilvania Univ Brasov 2014 INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT (OPTIM) Pages: 312-317 Published: 2014 View Abstract Times Cited: 0 (from All Databases), Articol indexat ISI, IEEE Xplore
7. Codres, Bogdan; Gaiceanu, Marian; Solea, Razvan; et al. Model Predictive Speed Control of Permanent Magnet Synchronous Motor Book Group Author(s): IEEE Conference: International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) Location: ROMANIA Date: MAY 22-24, 2014 Sponsor(s): IEEE Ind Elect Soc; IEEE Ind Applicat Soc; IEEE Power Elect Soc; Transilvania Univ Brasov 2014 INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT (OPTIM) Pages: 477-482 Published: 2014 View Abstract Times Cited: 0 (from All Databases), Articol indexat ISI, IEEE Xplore

8. M. Gaiceanu, Regenerative DC Drive System , Edited by: Gaiceanu, M, Conference: 4th International Symposium on Electrical and Electronics Engineering (ISEEE) Location: Dunarea de Jos Univ Galati, Galati, ROMANIA Date: OCT 11-13, 2013, Sponsor(s): Dunarea de Jos Univ Galati, Fac Automat, Comp Sci, Elect & Elect Engn; IEEE; Minist Natl Educ; IEEE Reg8; IEEE Romania Sect; IEEE Power Elect Romania Chapter; IEEE Instrumentat & Measurement Romania Chapter , 2013 4TH INTERNATIONAL SYMPOSIUM ON ELECTRICAL AND ELECTRONICS ENGINEERING (ISEEE) Published: 2013; Articol indexat ISI, IEEE Xplore
9. Marian Gaiceanu, Cristian Nichita, Chapter Title: Regenerative AC Drive System Based on the Three Phase Permanent Magnet Synchronous Machine, Series Title : Springer Proceed. in Energy, © Springer, Book Title : 2nd International Congress on Energy Efficiency and Energy Related Materials (ENEFM2014), Book Subtitle : Proceedings, Oludeniz, Fethiye/Mugla, Turkey, October 16-19, 2014, ISBN : 978-3-319-16900-2, Chapter DOI 10.1007/978-3-319-16901-9_20;
10. Rosu, Emil; Munteanu, Traian; Gaiceanu, Marian; et al., OPTIMAL CONTROL USING ENERGY CRITERIA FOR DC POSITIONING DRIVE, REVUE ROUMAINE DES SCIENCES TECHNIQUES-SERIE ELECTROTECHNIQUE ET ENERGETIQUE Volume: 56 Issue: 1 Pages: 58-68 Published: JAN-MAR 2011

B. Teza de doctorat: „Conducerea optimală a sistemelor de acționare reglabile cu mașini asincrone utilizând metode avansate de comandă ”, conducător științific Prof. dr. ing. Dumitru Călușeanu, Universitatea "Dunărea de Jos" din Galați, 2002

C. Cărți și capitole în cărți

- 2014 **Marian Gaiceanu (2014)**. Tool of the Complete Optimal Control for Variable Speed Electrical Drives, MATLAB Applications for the Practical Engineer, Mr Kelly Bennett (Ed.), ISBN: 978-953-51-1719-3, InTech, DOI: 10.5772/57521. Available from: <http://www.intechopen.com/books/matlab-applications-for-the-practical-engineer/tool-of-the-complete-optimal-control-for-variable-speed-electrical-drives>, pp339-374 (36 pag);
- 2014 **Marian GĂICEANU**, [Conceperea și implementarea structurilor de control pentru sistemele convertor-mașină. Aplicații.](#), Editura Universității „Dunărea de Jos” din Galați, ISBN 978-606-696-012-0 , Galați 2014; pp. 197, Galati University Press
- 2014 **Marian GĂICEANU**, [Acționări electrice. Aplicații.](#), Editura Universității „Dunărea de Jos” din Galați ISBN 978-686-696-013-7, 2014, pp211, Galati University Press
- 2013 **Marian GĂICEANU (editor)**, PROCEEDINGS, International Symposium on Electrical and Electronics Engineering. USB, ISEEE-2013, 2013 4th International Symposium, on Electrical and Electronics Engineering (ISEEE), October 11-13, 2013, Galați, Romania, IEEE Catalog Number CFP1393K-USB, ISBN 978-1-4799-2441-7
- 2012 [M.Gaiceanu](#), MATLAB/Simulink-Based Grid Power Inverter for Renewable Energy Sources Integration, capitol in MATLAB - A Fundamental Tool for Scientific Computing and Engineering Applications - Volume 3, Edited by Vasilios N. Katsikis, ISBN 978-953-51-0752-1, Hard cover, 484 pages, Publisher: InTech, DOI: 10.5772/3339, pp (32pag)
- 2010 **Marian GĂICEANU (editor)**, PROCEEDINGS, International Symposium on Electrical and Electronics Engineering. Print, ISEEE-2010, The 3rd International Symposium on

- Electrical and Electronics Engineering, September 16-18, 2010, Galați, Romania, pp 380, IEEE Catalog Number CFP1093K-PRT, ISBN 978-1-4244-8407-2
- 2009 **Marian GĂICEANU**, Optimizarea sistemelor de acționare electrică / conf. dr. ing. Găiceanu Marian., - Galați : Galați University Press, 2009, ISBN 978-606-8008-45-5, CIP 2010-00196, pp 198
- 2008 ISEEE 2008, Proceedings – 2nd International Symposium on Electrical and Electronics Engineering, ISSN 1844-8054, Editor The 2nd International Symposium on Electrical and Electronics Engineering : ISEEE 2008 : September 12-13, Galati România : proceedings by Dorel Aiordăchioaie; **Marian Găiceanu (editor)**; Book Language: English Publisher: Galați : Galati University Press, 2008. Database: WorldCat
- 2004 **Marian GAICEANU**, Reglarea optimala a sistemelor electromecanice, Editura Didactica si Pedagogica, Bucuresti, CIP 519.863.681.587.72 (075.8), ISBN 973-30-1877-5, 244 pg., 2004
- 2004 **Marian GĂICEANU**, Sisteme optime de acționare electrica: curs practic, Editura Didactica si Pedagogica, Bucuresti, CIP 519.863:62-83, ISBN 973-30-1889-9, 104 pg., 2004
- 1999 Mina Emil Rosu, Ion Bivol, Cristian Nichita, **Marian Gaiceanu**, Optimizarea energetica a sistemelor de conversie electromecanica, Editura Tehnica, Bucuresti, CZU 62-83, Coli de tipar:18, ISBN 973-31-1329-8, 276 pg., 1999 (65 pagini contributie proprie)

Editor/coordonator reviste

- 2016 The Annals of Dunarea de Jos University of Galati, vol 39, no1-2016:, ISSN 1221-454X, coordonator, <http://www.ann.ugal.ro/eeai/> 30 pagini
- 2015 The Annals of Dunarea de Jos University of Galati, vol 38, no.1-2015:, ISSN 1221-454X, coordonator <http://www.ann.ugal.ro/eeai/>
- 2014 The Annals of Dunarea de Jos University of Galati, vol 37, no.1-2014:, ISSN 1221-454X, coordonator <http://www.ann.ugal.ro/eeai/>
- 2013 The Annals of Dunarea de Jos University of Galati, vol 36, no.1-2013:, ISSN 1221-454X, coordonator <http://www.ann.ugal.ro/eeai/>
- 2013 The Annals of Dunarea de Jos University of Galati, vol 36, no.2-2013: ISSN 1221-454X, coordonator <http://www.ann.ugal.ro/eeai/>
- 2012 The Annals of Dunarea de Jos University of Galati, vol 35, no.1-2012: ISSN 1221-454X, coordonator <http://www.ann.ugal.ro/eeai/>
- 2012 The Annals of Dunarea de Jos University of Galati, vol 35, no.2-2012: ISSN 1221-454X, coordonator <http://www.ann.ugal.ro/eeai/>
- 2010 The Annals of Dunarea de Jos University of Galati, vol 33, no.1-2010: ISSN 1221-454X, editor si coordonator <http://www.ann.ugal.ro/eeai/>

- 2010 The Annals of Dunarea de Jos University of Galati, vol 33, no.2-2010: ISSN 1221-454X, coordonator <http://www.ann.ugal.ro/eeai/>
- 2009 The Annals of Dunarea de Jos University of Galati, vol 32, no.1-2009: ISSN 1221-454X, editor si coordonator <http://www.ann.ugal.ro/eeai/>
- 2009 The Annals of Dunarea de Jos University of Galati, vol 32, no.2-2009: ISSN 1221-454X, editor si coordonator <http://www.ann.ugal.ro/eeai/>
- 2008 The Annals of Dunarea de Jos University of Galati, vol 31, no.1-2008: ISSN 1221-454X, editor si coordonator <http://www.ann.ugal.ro/eeai/>
- 2008 The Annals of Dunarea de Jos University of Galati, vol 31, no.2-2008: ISSN 1221-454X, editor si coordonator <http://www.ann.ugal.ro/eeai/>
- 2008 ISEEE 2008, Proceedings – 2nd International Symposium on Electrical and Electronics Engineering, ISSN 1844-8054, Editor The 2nd International Symposium on Electrical and Electronics Engineering : ISEEE 2008 : September 12-13, Galati Romania : proceedings by Dorel Aiordăchioaie; Marian Găiceanu; Book Language: English Publisher: Galați : Galati University Press, 2008.
Database: WorldCat

D. Articole/studii in extenso, publicate în reviste din fluxul științific internațional principal

Articole indexate ISI-33

1.

[Regenerative AC Drive System with the Three-phase Induction Machine](#)

By: **Gaiceanu, Marian**; Nichita, Cristian

Book Group Author(s): IEEE

Conference: International Conference on Applied and Theoretical Electricity (ICATE) Location: Craiova, ROMANIA Date: OCT 23-25, 2014

Sponsor(s): Univ Craiova, Fac Elect Engr; Inst Elect & Elect Engineers; IEEE Romania Sect; IEEE Romanian Chapter EMB Soc; IEEE Romanian Chapter EMC Soc; IEEE Romanian Chapter MAG Soc; IEEE Romanian Chapter PE Soc; Minist Natl Educ; Assoc Support Engr Educ

2014 INTERNATIONAL CONFERENCE ON APPLIED AND THEORETICAL ELECTRICITY (ICATE) Book Series: International Conference on Applied and Theoretical Electricity Published: 2014

[View Abstract](#)

Times Cited: 0
(from All Databases)



2.

[Nonlinear Sliding-Mode Control for Permanent Magnet Synchronous Machine](#)

By: Solea, Razvan; **Gaiceanu, Marian**; Codres, Bogdan; et al.

Book Group Author(s): IEEE

Conference: International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) Location: ROMANIA Date: MAY 22-24, 2014

Sponsor(s): IEEE Ind Elect Soc; IEEE Ind Applicat Soc; IEEE Power Elect Soc; Transilvania Univ Brasov

2014 INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT (OPTIM) Pages: 312-317 Published: 2014

[View Abstract](#)

Times Cited: 0
(from All Databases)



3.

[Efficient DC Drive System by using Adaptive Control](#)

By: **Gaiceanu, Marian**; Solea, Razvan; Codres, Bogdan; et al.

Book Group Author(s): IEEE

Conference: International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) Location: ROMANIA Date: MAY 22-24, 2014

Sponsor(s): IEEE Ind Elect Soc; IEEE Ind Applicat Soc; IEEE Power Elect Soc; Transilvania Univ Brasov

2014 INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT (OPTIM) Pages: 381-388 Published: 2014

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Times Cited: 0
(from All Databases)



4.

[Model Predictive Speed Control of Permanent Magnet Synchronous Motor](#)

By: Codres, Bogdan; **Gaiceanu, Marian**; Solea, Razvan; et al.

Book Group Author(s): IEEE

Conference: International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) Location: ROMANIA Date: MAY 22-24, 2014

Sponsor(s): IEEE Ind Elect Soc; IEEE Ind Applicat Soc; IEEE Power Elect Soc; Transilvania Univ Brasov

2014 INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT (OPTIM) Pages: 477-482 Published: 2014

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Times Cited: 0
(from All Databases)

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5.

[Solution for Connecting Regenerative Electric Drive Systems to the Grid](#)

By: **Gaiceanu, Marian**

Edited by: Li, D; Zheng, D; Shi, J

Conference: International Conference on Advanced Material and Manufacturing Science (ICAMMS 2012) Location: Beijing, PEOPLES R CHINA Date: DEC 20-21, 2012

Sponsor(s): Int Res Assoc Informat & Comp Sci; Sci Technol Press; Beijing Xinyongshun Acad Exchange LTD

MATERIALS RESEARCH AND APPLICATIONS, PTS 1-3 Book Series: Advanced Materials Research Volume: 875-877 Pages: 1003-1008 Published: 2014

[View Abstract](#)

Times Cited: 0

(from All Databases)

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6.

[The Model Reference Adaptive Control of the DC Electric Drive System](#)

By: **Gaiceanu, Marian**; Eni, Cristian; Coman, Mihaita; et al.

Edited by: Li, D; Zheng, D; Shi, J

Conference: International Conference on Advanced Material and Manufacturing Science (ICAMMS 2012) Location: Beijing, PEOPLES R CHINA Date: DEC 20-21, 2012

Sponsor(s): Int Res Assoc Informat & Comp Sci; Sci Technol Press; Beijing Xinyongshun Acad Exchange LTD

MATERIALS RESEARCH AND APPLICATIONS, PTS 1-3 Book Series: Advanced Materials Research Volume: 875-877 Pages: 2030-2035 Published: 2014

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Times Cited: 0

(from All Databases)

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7.

[Second Order Load Torque Estimator of the Vector-Controlled Synchronous Drive](#)

By: Dache, Cristinel; **Gaiceanu, Marian**; Rosu, Emil; et al.

Edited by: **Gaiceanu, M**

Conference: 4th International Symposium on Electrical and Electronics Engineering (ISEEE) Location: Dunarea de Jos Univ Galati, Galati, ROMANIA Date: OCT 11-13, 2013

Sponsor(s): Dunarea de Jos Univ Galati, Fac Automat, Comp Sci, Elect & Elect Engn; IEEE; Minist Natl Educ; IEEE Reg8; IEEE Romania Sect; IEEE Power Elect Romania Chapter; IEEE Instrumentat & Measurement Romania Chapter

2013 4TH INTERNATIONAL SYMPOSIUM ON ELECTRICAL AND ELECTRONICS ENGINEERING (ISEEE) Published: 2013

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Times Cited: 0

(from All Databases)

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8.

[Vector-Controlled Optimal Drive System for the Induction Motor](#)

By: **Gaiceanu, Marian**; Rosu, Emil; Paduraru, Romeo; et al.

Edited by: **Gaiceanu, M**

Conference: 4th International Symposium on Electrical and Electronics Engineering (ISEEE)

Location: Dunarea de Jos Univ Galati, Galati, ROMANIA Date: OCT 11-13, 2013

Sponsor(s): Dunarea de Jos Univ Galati, Fac Automat, Comp Sci, Elect & Elect Engn; IEEE;

Minist Natl Educ; IEEE Reg8; IEEE Romania Sect; IEEE Power Elect Romania Chapter; IEEE

Instrumentat & Measurement Romania Chapter

2013 4TH INTERNATIONAL SYMPOSIUM ON ELECTRICAL AND ELECTRONICS

ENGINEERING (ISEEE) Published: 2013

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Times Cited: 0

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9.

[Regenerative DC Drive System](#)

By: **Gaiceanu, Marian**

Edited by: **Gaiceanu, M**

Conference: 4th International Symposium on Electrical and Electronics Engineering (ISEEE)

Location: Dunarea de Jos Univ Galati, Galati, ROMANIA Date: OCT 11-13, 2013

Sponsor(s): Dunarea de Jos Univ Galati, Fac Automat, Comp Sci, Elect & Elect Engn; IEEE;

Minist Natl Educ; IEEE Reg8; IEEE Romania Sect; IEEE Power Elect Romania Chapter; IEEE

Instrumentat & Measurement Romania Chapter

2013 4TH INTERNATIONAL SYMPOSIUM ON ELECTRICAL AND ELECTRONICS

ENGINEERING (ISEEE) Published: 2013

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Times Cited: 0

(from All Databases)



10.

[Energy savings generated by installing active power filters in water pumping stations](#)

By: Gurguiatu, Gelu; Balanuta, Ciprian Daniel; Munteanu, Toader; **Gaiceanu, Marian**.

Edited by: **Gaiceanu, M**

Conference: 4th International Symposium on Electrical and Electronics Engineering (ISEEE)

Location: Dunarea de Jos Univ Galati, Galati, ROMANIA Date: OCT 11-13, 2013

Sponsor(s): Dunarea de Jos Univ Galati, Fac Automat, Comp Sci, Elect & Elect Engn; IEEE;

Minist Natl Educ; IEEE Reg8; IEEE Romania Sect; IEEE Power Elect Romania Chapter; IEEE

Instrumentat & Measurement Romania Chapter

2013 4TH INTERNATIONAL SYMPOSIUM ON ELECTRICAL AND ELECTRONICS

ENGINEERING (ISEEE) Published: 2013

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11.

[Field Weakening Optimal Control of DC Motor Drive Systems](#)

By: Paduraru, Romeo; Munteanu, Traian; Dache, Cristinel; **Gaiceanu, Marian**.

Edited by: **Gaiceanu, M**

Conference: 4th International Symposium on Electrical and Electronics Engineering (ISEEE)

Location: Dunarea de Jos Univ Galati, Galati, ROMANIA Date: OCT 11-13, 2013

Sponsor(s): Dunarea de Jos Univ Galati, Fac Automat, Comp Sci, Elect & Elect Engn; IEEE;

Minist Natl Educ; IEEE Reg8; IEEE Romania Sect; IEEE Power Elect Romania Chapter; IEEE

Instrumentat & Measurement Romania Chapter

2013 4TH INTERNATIONAL SYMPOSIUM ON ELECTRICAL AND ELECTRONICS

ENGINEERING (ISEEE) Published: 2013

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12.

[Sliding Mode Controller for Induction Motor](#)

By: Solea, Razvan; **Gaiceanu, Marian**; Nicolau, Viorel

Edited by: **Gaiceanu, M**

Conference: 4th International Symposium on Electrical and Electronics Engineering (ISEEE)

Location: Dunarea de Jos Univ Galati, Galati, ROMANIA Date: OCT 11-13, 2013

Sponsor(s): Dunarea de Jos Univ Galati, Fac Automat, Comp Sci, Elect & Elect Engn; IEEE;

Minist Natl Educ; IEEE Reg8; IEEE Romania Sect; IEEE Power Elect Romania Chapter; IEEE

Instrumentat & Measurement Romania Chapter

2013 4TH INTERNATIONAL SYMPOSIUM ON ELECTRICAL AND ELECTRONICS

ENGINEERING (ISEEE) Published: 2013

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13.

[Optimal Control Implementation of the Three-Phase Induction Machine based on Adaptive Drive System](#)

By: **Gaiceanu, Marian**; Dache, Cristi; Nicolau, Viorel; et al.

Book Group Author(s): IEEE

Conference: 8th International Symposium on Advanced Topics in Electrical Engineering

(ATEE) Location: Bucharest, ROMANIA Date: MAY 23-25, 2013

2013 8TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL

ENGINEERING (ATEE) Published: 2013

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Times Cited: 0

(from All Databases)

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14.

[Modeling and Monitoring Aspects of MOP-Type Drive Mechanisms of High-Voltage Circuit Breakers](#)

By: Nicolau, Viorel; Badea, Nicolae; **Gaiceanu, Marian**; et al.

Book Group Author(s): IEEE

Conference: 8th International Symposium on Advanced Topics in Electrical Engineering

(ATEE) Location: Bucharest, ROMANIA Date: MAY 23-25, 2013

2013 8TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE) Published: 2013

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Times Cited: 0

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15.

[Theoretical and Experimental Research on the Methodology of Designing a System of Trigenation with Renewable Energy](#)

By: Paraschiv, Ion; Badea, Nicolae; Voncila, Ion; **Gaiceanu, Marian.**

Book Group Author(s): IEEE

Conference: 8th International Symposium on Advanced Topics in Electrical Engineering (ATEE) Location: Bucharest, ROMANIA Date: MAY 23-25, 2013

2013 8TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE) Published: 2013

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16.

[IMPROVING THE ENVIRONMENTAL IMPACT OF WIND TURBINES](#)

By: Costin, M.; **Gaiceanu, M.**

JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY Volume: 14 Issue: 2 Pages: 592-600 Published: 2013

[View Abstract](#)

Times Cited: 0

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17.

[Advanced State Feedback Control of Grid-Power Inverter](#)

By: **Gaiceanu, Marian**

Edited by: Zeng, D

Conference: 2nd International Conference on Advances in Energy Engineering (ICAEE)

Location: Bangkok, THAILAND Date: DEC 27-28, 2011

Sponsor(s): Asia Pacific Human-Comp Interact Res Ctr

2011 2ND INTERNATIONAL CONFERENCE ON ADVANCES IN ENERGY

ENGINEERING (ICAEE) Book Series: Energy Procedia Volume: 14 Pages: 1464-1470 Published: 2012

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18.

[Real time implementation of suboptimal control position drive system with induction machine](#)

By: Munteanu, Tr; Rosu, E.; Paduraru, R.; **Gaiceanu, Marian.**

Book Group Author(s): IEEE

Conference: 14th European Conference on Power Electronics and Applications (EPE)/ECCE Europe Conference on Power Electronics and Adjustable Speed Drives - Towards the 20-20-20

Target Location: Birmingham, ENGLAND Date: AUG 30-SEP 01, 2011

Sponsor(s): IEEE; IEEE Power Elect Soc (PELS); Alstom; Mitsubishi Elect Europ; Star Alliance; PPM Power; Plexim; CITCEA; Dynex; TRW Conekt; MDL Technol; Chroma; United Technol Res Ctr; Converteam; Australian Comm Power Engn (ACPE); Assoc Ingenieurs Electriciens Inst Montefiore (AIM); Czech Electrotech Soc (CES); European Ctr Power Elect (ECPE); IEEE Ind Applicat Soc (IAS); IEEE Ind Elect Soc (IES); Inst Engn & Technol (IET); Korean Inst Power Elect (KIPE); Koninklijk Inst Ingenieurs (KIVI-NIRIA); Leonardo Energy; Norsk Elektroteknisk Forening (NEF); NMI; Osterreichischer Verband Elektrotechnik (OVE); Soc Elect, Elect & Technol Informat & Commun (SEE); Assoc Polish Elect Engineers; Svenska Elektro Dataingenjorers Riksförening (SER); Soc Royale Belge Electriciens - Koninklijke Belgische Vereniging Elektrotechnici (SRBE-KBVE); Technol Inst - Koninklijke Vlaamse Ingenieursvereniging (TI-KVIV); Assoc Elect, Elect & Informat Technol
PROCEEDINGS OF THE 2011-14TH EUROPEAN CONFERENCE ON POWER ELECTRONICS AND APPLICATIONS (EPE 2011) Published: 2011

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Times Cited: 0

(from All Databases)



19.

[Energy Saving Control for DC Motor Drive Systems](#)

By: Munteanu, Traian; Paduraru, Romeo; Rosu, Emil; **Gaiceanu, Marian**

PRZEGLAD ELEKTROTECHNICZNY Volume: 87 Issue: 12A Pages: 57-65 Published: 2011

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Times Cited: 0

(from All Databases)



20.

[OPTIMAL CONTROL USING ENERGY CRITERIA FOR DC POSITIONING DRIVE](#)

By: Rosu, Emil; Munteanu, Traian; **Gaiceanu, Marian**; et al.

REVUE ROUMAINE DES SCIENCES TECHNIQUES-SERIE ELECTROTECHNIQUE ET ENERGETIQUE Volume: 56 Issue: 1 Pages: 58-68 Published: JAN-MAR 2011

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Times Cited: 2

(from All Databases)



21.

[Optimal Control using Energetic Criteria for Electric Drive Systems](#)

By: Rosu, Emil; Munteanu, Traian; **Gaiceanu, Marian**; et al.

Edited by: **Gaiceanu, M**

Conference: 3rd International Symposium on Electrical and Electronics Engineering (ISEEE)

Location: Univ Galati, Galati, ROMANIA Date: SEP 16-18, 2010

Sponsor(s): IEEE; Minister Educ, Res, Youth & Sports Romania; Fac Elect & Elect Engn; IEEE

Reg8; IEEE United Kingdom & Republ Ireland Sect, Communicat Chapter (IEEE UKRI); IEEE Romania Sect

2010 3RD INTERNATIONAL SYMPOSIUM ON ELECTRICAL AND ELECTRONICS ENGINEERING (ISEEE) Pages: IV-XV Published: 2010

[View Abstract](#)



22.

[Optimal Control of Permanent Magnet Synchronous Machines for Cold Rolling Mills](#)

By: **Gaiceanu, Marian**; Minzararu, Adrian

Edited by: **Gaiceanu, M**

Conference: 3rd International Symposium on Electrical and Electronics Engineering (ISEEE)

Location: Univ Galati, Galati, ROMANIA Date: SEP 16-18, 2010

Sponsor(s): IEEE; Minister Educ, Res, Youth & Sports Romania; Fac Elect & Elect Engn; IEEE Reg8; IEEE United Kingdom & Republ Ireland Sect, Communicat Chapter (IEEE UKRI); IEEE Romania Sect

2010 3RD INTERNATIONAL SYMPOSIUM ON ELECTRICAL AND ELECTRONICS ENGINEERING (ISEEE) Pages: 105-111 Published: 2010

[View Abstract](#)

Times Cited: [1](#)

(from All Databases)



23.

[Motion Control of a Single-Beam Gantry Crane Trolley](#)

By: **Gaiceanu, Marian**; Stan, Florin

Edited by: **Gaiceanu, M**

Conference: 3rd International Symposium on Electrical and Electronics Engineering (ISEEE)

Location: Univ Galati, Galati, ROMANIA Date: SEP 16-18, 2010

Sponsor(s): IEEE; Minister Educ, Res, Youth & Sports Romania; Fac Elect & Elect Engn; IEEE Reg8; IEEE United Kingdom & Republ Ireland Sect, Communicat Chapter (IEEE UKRI); IEEE Romania Sect

2010 3RD INTERNATIONAL SYMPOSIUM ON ELECTRICAL AND ELECTRONICS ENGINEERING (ISEEE) Pages: 149-152 Published: 2010

[View Abstract](#)

Times Cited: 0

(from All Databases)



24.

[Linear Control of DC Motor Drive with Field Weakening](#)

By: Paduraru, Romeo; Rosu, Emil; **Gaiceanu, Marian**; et al.

Edited by: **Gaiceanu, M**

Conference: 3rd International Symposium on Electrical and Electronics Engineering (ISEEE)

Location: Univ Galati, Galati, ROMANIA Date: SEP 16-18, 2010

Sponsor(s): IEEE; Minister Educ, Res, Youth & Sports Romania; Fac Elect & Elect Engn; IEEE Reg8; IEEE United Kingdom & Republ Ireland Sect, Communicat Chapter (IEEE UKRI); IEEE Romania Sect

2010 3RD INTERNATIONAL SYMPOSIUM ON ELECTRICAL AND ELECTRONICS ENGINEERING (ISEEE) Pages: 153-158 Published: 2010

[View Abstract](#)

Times Cited: 0

(from All Databases)



25.

[Mathematical Modelling of Color Mixing Process and PLC Control Implementation by Using Human Machine Interface](#)

By: Schiop, Laurentiu; **Gaiceanu, Marian**

Edited by: **Gaiceanu, M**

Conference: 3rd International Symposium on Electrical and Electronics Engineering (ISEEE)

Location: Univ Galati, Galati, ROMANIA Date: SEP 16-18, 2010

Sponsor(s): IEEE; Minister Educ, Res, Youth & Sports Romania; Fac Elect & Elect Engn; IEEE Reg8; IEEE United Kingdom & Republ Ireland Sect, Communicat Chapter (IEEE UKRI); IEEE Romania Sect

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[Quasi-Direct PWM AC-AC Converter Solution for AC Drives](#)

By: **Gaiceanu, Marian**

PRZEGLAD ELEKTROTECHNICZNY Volume: 86 Issue: 3 Pages: 225-229 Published: 2010

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[Optimal Control for AC Drive with Quadratic Criteria](#)

By: **Gaiceanu, Marian**; Rosu, Emil; Munteanu, Traian; et al.

Book Group Author(s): IEEE

Conference: 13th European Conference on Power Electronics and Applications (EPE 2009)

Location: Barcelona, SPAIN Date: SEP 08-10, 2009

EPE: 2009 13TH EUROPEAN CONFERENCE ON POWER ELECTRONICS AND APPLICATIONS, VOLS 1-9 Pages: 1922-1931 Published: 2009

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[The optimal control for position drive system with induction machine](#)

By: Munteanu, Tr.; Rosu, E.; **Gaiceanu, M.**; et al.

Book Group Author(s): IEEE

Conference: 13th European Conference on Power Electronics and Applications (EPE 2009)

Location: Barcelona, SPAIN Date: SEP 08-10, 2009

EPE: 2009 13TH EUROPEAN CONFERENCE ON POWER ELECTRONICS AND APPLICATIONS, VOLS 1-9 Pages: 3380-3387 Published: 2009

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[Inverter control for three-phase grid connected fuel cell power system](#)

By: **Gaiceanu, Marian**

Book Group Author(s): IEEE

Conference: 5th International Conference and Workshop on Compatibility in Power Electronics

Location: Gdansk, POLAND Date: MAY 29-JUN 01, 2007

Sponsor(s): IEEE; Gdynia Maritime Univ

2007 COMPATIBILITY IN POWER ELECTRONICS Pages: 95-100 Published: 2007

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[A new load power estimator for a quasi-sinusoidal ac-ac converter system](#)

By: **Gaiceanu, Marian**

Edited by: Margineanu, I; Nicolaide, A; Cernat, M

Conference: 9th International Conference on Optimization of Electrical and Electronic

Equipment Location: Brasov, ROMANIA Date: MAY 20-22, 2004

Sponsor(s): IEEE

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[Implementation techniques for the matrix Riccati differential equation solution for energetic optimization of the AC drives](#)

By: **Gaiceanu, M**

Book Group Author(s): IEEE; IEEE

Conference: IEEE International Conference on Control Applications Location: Mexico City, MEXICO Date: SEP 05-07, 2001

Sponsor(s): IEEE Control Syst Soc; Amer Soc Mech Engineers; European Union Control Assoc; Soc Instrument & Control Engineers

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[Neuro-optimal controller for three-phase induction motor based on Levenberg-Marquardt training algorithm](#)

By: **Gaiceanu, M**; Rosu, E; Tataru, AM

Edited by: Wong, KP; Su, Q; Stewart, B; et al.

Conference: International Conference on Power System Technology (POWERCON 2000)

Location: UNIV WESTERN AUSTRALIA, PERTH, AUSTRALIA Date: DEC 04-07, 2000

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33.

[On Fuzzy Predictive Diagnosis of Pump-Motor Group of Oleo-Pneumatic Drive Mechanisms](#)

By: Viorel, Nicolau; Mihaela, Andrei; Razvan, Solea; et al.

Edited by: **Gaiceanu, M**

Conference: 4th International Symposium on Electrical and Electronics Engineering (ISEEE)

Location: Dunarea de Jos Univ Galati, Galati, ROMANIA Date: OCT 11-13, 2013

Sponsor(s): Dunarea de Jos Univ Galati, Fac Automat, Comp Sci, Elect & Elect Engn; IEEE;

Minist Natl Educ; IEEE Reg8; IEEE Romania Sect; IEEE Power Elect Romania Chapter; IEEE

Instrumentat & Measurement Romania Chapter

2013 4TH INTERNATIONAL SYMPOSIUM ON ELECTRICAL AND ELECTRONICS ENGINEERING (ISEEE) Published: 2013

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On Fuzzy Predictive Diagnosis of Pump-Motor Group of Oleo-Pneumatic Drive Mechanisms

By: [Viorel, N](#) (Viorel, Nicolau)^[1]; [Mihaela, A](#) (Mihaela, Andrei)^[1]; [Razvan, S](#) (Razvan, Solea);

[Marian, G](#) (**Marian, Gaiceanu**)

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Sponsor(s):Dunarea de Jos Univ Galati, Fac Automat, Comp Sci, Elect & Elect Engr; IEEE; Minist Natl Educ; IEEE Reg8; IEEE Romania Sect; IEEE Power Elect Romania Chapter; IEEE Instrumentat & Measurement Romania Chapter

Abstract

IO-type oil-based high-voltage circuit breakers are acted by oleo-pneumatic mechanisms (MOP). Pressure recovery circuit of MOP is based on pump-motor group, which presents the highest fault rate of all circuit breaker components. Its failure goes to the impossibility of switching that circuit breaker. Therefore, the predictive diagnosis of pump-motor group is very important for good functioning state of the circuit breaker. In this paper, on-line predictive diagnosis and early detection of the fault tendencies are studied using fuzzy logic. Some expert rules are generated based on the behavior analysis of MOP-type drive mechanism. A fuzzy system for predictive diagnosis is proposed. Also, simulation results are presented.


Keywords

Author Keywords:[fuzzy logic](#); [diagnosis](#); [oleo-pneumatic mechanism](#); [circuit breakers](#)

KeyWords Plus:[POWER-SYSTEMS](#)

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AC-AC converter system for AC drives

by **M Gaiceanu**

Article

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Database: British Library Serials, Scopus Ac-Ac converter system for ac drives

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Full text: <http://www.ann.ugal.ro/eeai/archives/2003/Lucrarea%207%20-%20Marian%20Gaiceanu%20-%20Anale%202003.pdf>

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A Simple Load Power Estimator For Quasi-Direct AC-AC Converter System

Authors: Marian **GAICEANU**, Emil ROSU

Publisher: Universitatea Dunarea de Jos

Date of publication: 2003 December

Published in: Annals of Dunarea de Jos, Vol 2003, Iss 1, Pp 51-56 (2003)

ISSN(s): 1221-454X

Keywords: current estimator, PWM ac-ac converter, power balance, load feed-forward, digital control, synchronous current controller, rotor field oriented control

Full text: <http://www.ann.ugal.ro/eeai/archives/2003/Lucrarea%207%20-%20Marian%20Gaiceanu%20-%20Anale%202003.pdf>

Journal Language(s): English

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Authors: Ion BIVOL, Marian **GAICEANU**, Emil ROSU, Dumitru CALUEANU

Publisher: Universitatea Dunarea de Jos

Date of publication: 2002 December

Published in: Annals of Dunarea de Jos, Vol 2002, Iss 1, Pp 61-70 (2002)

ISSN(s): 1221-454X

Keywords: optimal control, adjustable drive systems

Full text: <http://www.ann.ugal.ro/eeai/archives/2002/10%20-%20Energetic%20optimal%20control%20-%20Emil%20ROSU.pdf>

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Authors of Document Paduraru, R., Munteanu, T., Dache, C., Rosu, E., **Gaiceanu, M.**

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Document Adaptive control of the three-phase squirrel cage induction motor with load torque estimator
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Authors of Document Voncila, I., **Gaiceanu, M.**
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Authors of Document **Gaiceanu, M.**
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Volume: 2
DOI: 10.1109/OPTIM.1998.707969
Publication Year: 1998 , Page(s): 427 - 432
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Authors: Marian **GAICEANU**, Gianmichele ORSELLO

Publisher: Universitatea Dunarea de Jos

Date of publication: 2009 July

Published in: Annals of Dunarea de Jos, Vol 32, Iss 1, Pp 18-23 (2009)

ISSN(s): 1221-454X

Keywords: solid oxide fuel cell, power conditioning system, mathematical model

Full text: <http://www.ann.ugal.ro/eeai/archives/2009/Lucrare-03-Gaiceanu.pdf>

Journal Language(s): English

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Abstract: (expand)

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47. Power conditioning system topology for grid integration of wind and fuel cell energy

Authors: Marian **GAICEANU**

Publisher: Universitatea Dunarea de Jos

Date of publication: 2006 December

Published in: Annals of Dunarea de Jos, Vol 2006, Iss 1, Pp 110-115 (2006)

ISSN(s): 1221-454X

Keywords: Renewable energy, fuel cell, SOFC, wind-turbine, power conditioning, grid-interface

Full text: <http://www.ann.ugal.ro/eeai/archives/2006/Lucrare-19-Gaiceanu.pdf>

Journal Language(s): English

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Abstract: (expand)

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48. Active power compensator of the current harmonics based on the instantaneous power theory

Authors: Marian **GAICEANU**

Publisher: Universitatea Dunarea de Jos

Date of publication: 2005 December

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Keywords: Active Power Filter, instantaneous power theory, harmonics compensation

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49. Optimal Control Development System for Electrical Drives

Subjects: Electrical engineering. Electronics. Nuclear engineering, Technology, Electrical and Nuclear Engineering, Technology and Engineering, Electronic computers. Computer science, Instruments and machines, Mathematics, Science, Computer Science, Technology and Engineering, Electrical engineering. Electronics. Nuclear engineering, Technology, Electrical and Nuclear Engineering, Technology and Engineering, Electronic computers. Computer science, Instruments and machines, Mathematics, Science, Computer Science, Technology and Engineering, Electrical engineering. Electronics. Nuclear engineering, Technology, Electronic computers. Computer science, Instruments and machines, Mathematics, Science, Electrical engineering. Electronics. Nuclear engineering, Technology, Electronic computers. Computer science, Instruments and machines, Mathematics, Science, Electrical engineering. Electronics. Nuclear engineering, Technology, Electronic computers. Computer science, Instruments and machines, Mathematics, Science, Electrical engineering. Electronics. Nuclear engineering, Technology, Electronic computers. Computer science, Instruments and machines, Mathematics, Science

Authors: Marian **GAICEANU**, Emil ROSU, Romeo PADURARU, Cristinel DACHE

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Steady State Model of 100kWe SOFC Power Conditioning System

<http://www.leonardo-energy.org/files/root/EPQU/2007conference/p282.pdf>

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By E. Rosu; M. **Gaiceanu**

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Edition/Format: Print book : EnglishView all editions and formats

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Author: Viliam Fedák; EPE-PEMC; Technická Univerzita

Publisher: Košice 2000
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Subject: bibliografie de referință

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Author: Dorel Aiordăchioaie; Marian Găiceanu

Publisher: Galați : Galati University Press, 2008.

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Author: Dorel Aiordăchioaie; Marian Găiceanu

Publisher: Galați : Galati University Press, 2008.

Edition/Format: Print book : English

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