

**LISTA DE LUCRĂRI**  
**a cadrului didactic STOICA CONSTANTIN**

**A. Teza de doctorat**

*CERCETARI TEORETICE SI EXPERIMENTALE PRIVIND OPTIMIZAREA FUNCTIONAL-CONSTRUCTIVA A GENERATOARELOR SINCRONE FOLOSITE LA AUTOMOBILE.*, UNIVERSITATEA POLITEHNICA BUCURESTI ,DOMENIUL INGINERIE ELECTRICA, Inginerie electrică, 2009

*CERCETARI TEORETICE SI EXPERIMENTALE PRIVIND OPTIMIZAREA FUNCTIONAL-CONSTRUCTIVA A GENERATOARELOR SINCRONE FOLOSITE LA AUTOMOBILE.*, UNIVERSITATEA POLITEHNICA BUCURESTI ,DOMENIUL INGINERIE ELECTRICA, Inginerie electrică, 2009

**B. Cărți și capitole în cărți publicate în perioada 2008 - 2017**

**B5. Manuale didactice, suport de curs**

1. Stoica Constantin, *Sisteme Electromecanice-suport de curs format electronic 60 pagini*, , 2014

**B6. Îndrumare de laborator, culegere de probleme**

1. Stoica C, *Îndrumar de laborator pentru Convertoare Electromagnetice Format electronic 2014, 60 pagini*, , 2014
2. Stoica constantin,, *Indrumar pentru examenul de licență-Capitolul Convertoare Electromagnetice, Editura Universității din Pitești, 2014, e-ISBN: 978-606-560-383-7, 195 pg, contribuția 24pag., pg.133-156*, , 2014
3. C.Stoica, *Electrotehnica si Masini Electrice* , *Indrumar de laborator format electronic 80 pagini*, , 2017

**C. Lucrări (articole) ISI / BDI publicate în perioada 2008 - 2017**

**C2. Articole în volume indexate ISI Proceedings**

1. Stoica, C., Melcescu, L., Lefter, E., Constantinescu, L.M., *Computation of the Characteristics Eddy Current Electromagnetic Brake for a Bicycle, by the Finite Element Method 3D, The Proceedings of OPTIM 2010,2010, pg .436-440, ISSN: 1842-0133 IEEE Xplore database, INSPEC Accession Number: 11431583 <http://dx.>*, , 2010
2. Constantin Stoica, Luminita Mirela Constantinescu, Emilian Lefter, Bogdan Enache,, *Computation of the Characteristics of a Claw Pole Alternator through the Finite Element Method (ECAI 2013), IEEEExplore, Proceedings of Int. conf on Electronics, Computers and Artificial Intelligence - ECAI&rsquo;13, Vol.5, No.2/2013,pp. 39-42, Pitești*, , 2013, (TC\_12\_2013\_DECIE)
3. S. M. Digă, N. Digă and C. Stoica, *Particularities of construction and design of permanent magnets synchronous motors for driving electric bicycles 13th WSEAS International Conferenceon Electric Power Systems, High Voltages, Electric Machines (POWER&rsquo;13, , 2013, (TC\_12\_2013\_DECIE)*
4. S. M. Digă, C. Stoica, N. Digă and M. Brojboiu, *Considerations on 2D numerical modelling of permanent magnet synchronous motors for driving electric bicycles The Fourth International Symposium on Electrical and Electronics Engineering - ISEEE 2013, 11-13 October 2013, Galați, Rom*, , 2013, (TC\_12\_2013\_DECIE)
5. Bogdan ENACHE, Emilian LEFTER, Constantin STOICA, *Comparative Study for Generic Battery Models Used for Electric Vehicles, ATEE 2013 ISBN 978-1-4673-5979-5, IEEE Xplore, 2013, (TC\_11\_2013\_DECIE)*
6. D. Cazacu, Constantin STOICA., *Teaching computational aspects on the efficiency of multi layer spherical magnetic shields Proceedings of the International Conference on ELECTRONICS, COMPUTERS and ARTIFICIAL INTELLIGENCE ECAI-2014, Vol. 6 – No. 4/ 2014 ISSN – 1843 &ndas*, , 2014, (TC\_12\_2014\_DECIE)

7. Constantin Stoica, Cazacu Dumitru, Leonard Melcescu, *Numerical modeling using 2d FEM for a low power DC Brushless motor*; ., Proceedings of the International Conference on ELECTRONICS, COMPUTERS and ARTIFICIAL INTELLIGENCE ECAI-2014, Vol. 6; No. 4/ 2014 ISSN , 2014, (TC\_12\_2014\_DECIE)
8. Enache, B.-A. ; Constantinescu, L.-M. ; Stoica, C., *Aspects of simulating the behavior of an internal combustion engine for electric starter testing 23-25 Oct. 2014 10.1109/ ECAI.2014. Electronics, Computers and Artificial Intelligence (ECAI), 2014 6th International Conference, , 2014,* (TC\_12\_2014\_DECIE)
9. N. Digă, C. Ghiță, S. M. Digă, D. Constantin and C. Stoica, *Some Aspects of the Cogging Torque Study of a Permanent Magnet Synchronous Motor to Drive a Bicycle The 9th International Symposium ADVANCED TOPICS IN ELECTRICAL ENGINEERING, May 7 - 9, 2015, Bucharest, Romania, (indexed by the IEEE,* [http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber%3D7124303%26filter%3DAND%28p\\_IS\\_Number%3A7133661%29%26pageNumber%3D5&searchWithin=c%20stoica&pageNumber=1&resultAction=REFINE](http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber%3D7124303%26filter%3DAND%28p_IS_Number%3A7133661%29%26pageNumber%3D5&searchWithin=c%20stoica&pageNumber=1&resultAction=REFINE), 2015, (TC\_12\_2015\_DECIE)
10. N. Digă, C. Ghiță, C. Stoica and S. M. Digă., *Particular Aspects of the Cogging Torque Reduction for Permanent Magnet Synchronous Motors Using Specialized Software* , in *Proceedings of the 7th Edition International Conference on Electronics, Computers and Artificial Intelligence - ECAI 2015,* , 2015, (TC\_12\_2015\_DECIE)
11. C. Stoica. Constantin, D. Cazacu D, *On the computation of the SAR for a 3D human head model using Ansys HFSS Electronics, Computers and Artificial Intelligence (ECAI), 2015 7th International Conference, , 2015,* (TC\_12\_2015\_DECIE)
12. Constantin Stoica; Cazacu Dumitru ;Leonard Melcescu, *3D numerical modeling with FEM operation under load on the alternator claw poles. Electronics, Computers and Artificial Intelligence (ECAI), 2015 7th International Conference, , 2015,* (TC\_12\_2015\_DECIE)

### **C3. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale**

1. Stoica C., Melcescu L., Craiu O, *Influența formei pieselor polare asupra fluxului util și de dispersie în alternatorul cu polii în gheară EEA - Electrotehnica, Electronica, Automatica, Vol.56 Nr.3., Bucuresti, 2008, INDEX Ulrich's Periodical Directory, Copernicus Journal Master List, <http://www.eea-journal.ro/ro/d/5/p/Vol.%2056%20%20%20%20nr.%203%20%20%20iulie%20-%20septembrie%20%202008%20Articolul%205>, 2008*
2. Stoica, C., L. Melcescu, *Computation of the characteristics of a claw-pole alternator with no load, by the finite element method, Tehnav 2008 The 6 th edition international Conference on naval and Maritime Engineering, Volume X, Tom I, 2008 Ovidius University of Constanta., , 2008*
3. Stoica, C., Constantinescu, L.M., LEFTER, Em., *The influence of geometry pole to the voltage induced of alternator claw-pole, The 7th International Conference on Renewable Sources and Environmental Electrotechnologies RSEE'2008, 29-30 May 2008, Journal of Computer Science and Control Systems, ISSN 1844-6043, pg.151-154, Index Copernicus, <http://electroinf.uoradea.ro/index.php/jscs.html>, 2008*
4. Lefter, Em., Constantinescu, L. M., Stoica, C., Cruceru, D., *Laboratory models-solutions for the study of the hybrid electrical systems of traction and supply, with applications in cars, UNIVERSITY OF PITESTI SCIENTIFIC BULLETIN, Series: Electronics and Computers Science, ISSN 1453-1119, Vol. 12, Issue 2. Abstract, <https://docs.google.com/file/d/0B-WyYs74In7sdEIPT3Nid0N2RDg/edit>, 2012,* (TC\_11\_2012\_DECIE)
5. Stoica C,D.Cazacu, I.Daniel, *Numerical And Experimental Aspects Concerning The Static and Dynamic Regime Of A Linear Actuator Journal of Electrical Engineering, Electronics, Control and Computer Science JEECCS ,Numerical And Experimental Aspects Concerning The Static and Dynamic Reg, , 2016,* (TC\_12\_2016\_DECIE)
6. C.Stoica, L.Melcescu, *Modelul numeric 2D in studiul unui generator eolian de mica putere, ACTUALITĂȚI ȘI PERSPECTIVE ÎN DOMENIUL MAȘINILOR ELECTRICE, SME'17, EDIȚIA A XIII-a, UNIVERSITATEA POLITEHNICA BUCURESTI, 2017,* (TC\_19\_2017\_DECIE)

### **F. Granturi / proiecte de cercetare în perioada 2008 - 2017**

## **F2. Granturi / proiecte câștigate prin competiție națională**

1. Diaconescu Eugen, Lefter Emilian, Constantinescu L.M., Stoica C., Jumara I., *Cercetări privind controlul inteligent al unui sistem de propulsie electric hibrid cu transmisie continuă (CVT)*, Programul: PARTENERIATE IN DOMENIILE PRIORITARE, Nr. contract și denumirea proiectului: 72209, Cercetări privind controlul inteligent al unui sistem de propulsie electric hibrid cu transmisie continuă (CVT), Beneficiar: Centrul Național de Management Programe, perioada de desfășurare 2008/2010, <http://electromet.url.ph/expcvt/>, 2008

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*Cadrul didactic STOICA CONSTANTIN*  
*Semnătura*