

Anexa nr. 7

Lista lucrări

ROMÂNIA
MINISTERUL APĂRĂRII NAȚIONALE
ACADEMIA NAVALĂ "MIRCEA CEL BĂTRÂN"
Anexa la Cererea nr. din

LISTA DE LUCRĂRI A DR. ING. PANĂ CONSTANTIN LEON
ANUL UNIVERSITAR 2018-2019

Lista celor maximum 10 lucrări considerate de candidat a fi cele mai relevante pentru realizările profesionale proprii, care sunt incluse în format electronic în dosar și care se pot regăsi și în celelalte categorii de lucrări prevăzute de prezentul articol:

- **Leon Pana**, D Pasculescu, F Deliu, “*Management of the optimal operating states of electrical distribution stations*”, Quality - Access to Success 20 (S1), 263-268, 2019, WOS:000459686300046.
- D Pasculescu, **Leon Pana**, G Buica, VM Pasculescu, R Dobra, „*A quality-based approach for improving the lighting design process*”, Quality - Access to Success 20 (S1), 287-292, 2019, WOS:000459686300051.
- **Leon Pana**, Janusz Grabara, Dragos Pasculescu, Vlad Mihai Pasculescu, Roland Iosif Moraru, “*Optimal quality management algorithm for assesing the usage capacity level of mining transformers*”, Polish Journal of Management Studies, vol.18, No.2, pag.233-245, (2018), DOI: 10.17512/pjms.2018.18.2.19, WOS:000457451500019.
- **Leon Pană**, Dragos Pasculescu, “*Establishing the optimal apparent power of electric transformers using the economic criterion*”, IOP Conference Series Earth and Environmental Science 172(1):012031, June 2018, WOS:000468048600031.
- **Leon Pană**, Dragos Pasculescu, Ion Fotau, “*Evaluation the optimal energetic section and current density of electric distribution network conductors*”, Conference: 18th International Multidisciplinary Scientific Geoconference S G E M 2 0 1 8, At: Albena, Bulgaria, Volume: Conference Proceedings Vol.18, Informatics, Geoinformatics and Remote Sensing ISSUE 2.1
- **Leon Pană**, Dragos Pasculescu, Ion Fotau, “*Establishing of economic use domains for mining transformers*”, Conference: 18th International Multidisciplinary Scientific Geoconference S G E M 2 0 1 8, At: Albena, Bulgaria, Volume: Conference Proceedings Vol. 18, Informatics, Geoinformatics and Remote Sensing ISSUE 2.1
- **Leon Pană**, Marius Marcu, “*Simulation of the maximum length of 20 kv overhead power lines*”, Annals of the University of Petrosani Electrical Engineering . 2017, Vol. 19, pp.39-44, ISSN 1454-8518.
- **Leon Pană**, F.G. Popescu, “*Evaluation of the moments load and maximum allowable voltage drop for overhead and underground power lines*”, Annals of the University of Petrosani Electrical Engineering . 2017, Vol. 19, p15-26, ISSN 1454-8518.

- **Leon Pană**, F.G. Popescu, “*Analytical modelling of protection relays*”, Annals of the University of Petrosani Electrical Engineering . 2015, Vol. 17, p61-68, ISSN 1454-8518.
 - M. Marcu, **Leon. Pană**, F.G. Popescu, R. Slusariuc „*Evaluation the losses power and electrical energy on the basis of the relative load curves, by reference to the basic sizes*”, Papers SGEM2014/Conference Proceedings, Vol. Energy and clean technologies, ISBN 978-619-7105-15-5, ISSN 1314-2704, 229 - 236 pp., DOI: 10.5593/sgem2014B41, 17-26 June, Albena, Bulgaria, 2014, WOS:000371089600030.
2. Teza sau tezele de doctorat;
Optimizarea regimului de lucru a sistemelor de distribuție a energiei electrice (6 kV) în exploatarea miniere subterane, în vederea ridicării performanțelor tehnice și economice, Universitatea din Petroșani, Domeniul de doctorat Inginerie electrică, iunie 2005
3. Brevete de invenție și alte titluri de proprietate industrială;
4. Cărți și capitole în cărți;
Pană Leon Tehnici de optimizare în sistemele electroenergetice miniere, Editura Focus, Petroșani, 2006, ISBN (10)-973-677-077-X; (13)-978-973-677-077-7, 282 pag.
5. Articole/studii in extenso, publicate în reviste din fluxul științific internațional principal
- Dragos Pasculescu, **Leon Pana**, Vlad Mihai Pasculescu, Florentiu Deliu, „*Economic criteria for optimizing the number and load factor of mining transformers*” Mining of Mineral Deposits, Volume 13 (2019), Issue 2, pp. 1-16, Publisher Dnipro University of Technology, ISSN 2415-3443 (Online) | ISSN 2415-3435 (Print), 2019.
 - **Leon Pana**, D Pasculescu, F Deliu, “*Management of the optimal operating states of electrical distribution stations*”, Quality - Access to Success 20 (S1), 263-268, 2019, WOS:000459686300046.
 - D Pasculescu, **Leon Pana**, G Buica, VM Pasculescu, R Dobra, „*A quality-based approach for improving the lighting design process*”, Quality - Access to Success 20 (S1), 287-292, 2019, WOS:000459686300051.
 - **Leon Pana**, Janusz Grabara, Dragos Pasculescu, Vlad Mihai Pasculescu, Roland Iosif Moraru, “*Optimal quality management algorithm for assesing the usage capacity level of mining tranformers*”, Polish Journal of Management Studies, vol.18, No.2, pag.233-245, (2018), DOI: 10.17512/pjms.2018.18.2.19, WOS:000457451500019.
 - **Leon Pană**, Marius Marcu, “*Simulation of the maximum length of 20 kv overhead power lines*”, Annals of the University of Petrosani Electrical Engineering . 2017, Vol. 19, pp.39-44, ISSN 1454-8518.
 - **Leon Pană**, F.G. Popescu, “*Evaluation of the moments load and maximum allowable voltage drop for overhead and underground power lines*”, Annals of the University of Petrosani Electrical Engineering . 2017, Vol. 19, p15-26, ISSN 1454-8518.
 - **Leon Pană**, F.G. Popescu, “*Analytical modelling of protection relays*”, Annals of the University of Petrosani Electrical Engineering . 2015, Vol. 17, p61-68,

ISSN 1454-8518.

- M.D. Marcu, F.G. Popescu, **Leon. Pană**, “*Modeling and simulation of power active filter for reducing harmonic pollution using the instantaneous reactive power theory*”, Environmental Engineering and Management Journal, June 2014, Vol.13, No. 6, Pages: 1377-1382, **Impact Factor: 1,258**, WOS:000344577300010.

6. Publicații in extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate

- **Leon Pana**, Florentiu Deliu, Dragos Pasculescu „*Optimization techniques for determining the section and the economic current density of medium and low voltage power lines*”, The 5th International Scientific Conference SEA-CONF 2019, 2019/5.
- **Leon Pană**, Dragos Pasculescu, “*Establishing the optimal apparent power of electric transformers using the economic criterion*”, IOP Conference Series Earth and Environmental Science 172(1):012031, June 2018, WOS:000468048600031.
- **Leon Pană**, Dragos Pasculescu, Ion Fotau, “*Evaluation the optimal energetic section and current density of electric distribution network conductors*”, Conference: 18th International Multidisciplinary Scientific Geoconference S G E M 2 0 1 8, At: Albena, Bulgaria, Volume: Conference Proceedings Vol.18, Informatics, Geoinformatics and Remote Sensing ISSUE 2.1
- **Leon Pană**, Dragos Pasculescu, Ion Fotau, “*Establishing of economic use domains for mining transformers*”, 18th International Multidisciplinary Scientific Geoconference S G E M 2 0 1 8, At: Albena, Bulgaria, Volume: Conference Proceedings Vol. 18, Informatics, Geoinformatics and Remote Sensing ISSUE 2.1
- M. Marcu, **Leon. Pană**, F.G. Popescu, R. Slusariuc „*Evaluation the losses power and electrical energy on the basis of the relative load curves, by reference to the basic sizes*”, Papers SGEM2014/Conference Proceedings, Vol. Energy and clean technologies, ISBN 978-619-7105-15-5, ISSN 1314-2704, 229 - 236 pp., DOI: 10.5593/sgem2014B41, 17-26 June, Albena, Bulgaria, 2014, WOS:000371089600030.
- M. Marcu, F.G. Popescu, **Leon. Pană**, I. Stepanescu, R. Slusariuc „*Modeling and simulation of a photovoltaic module using the two diode module*”, DOI: 10.5593/sgem2014B41, 17-26 June, Albena, Bulgaria, 2014, WOS:000371089600046.
- M.D. Marcu, F.G. Popescu, T. Niculescu, **L. Pană**, A.D. Handra „*Simulation of power active filter using instantaneous reactive power theory*”, Harmonics and Quality of Power (ICHQP), 16th International Conference, Page(s):581 – 585, INSPEC Accession Number: 14399005, Bucharest, Romania, 25-28 May 2014. DOI: 10.1109/ICHQP.2014.6842783, Publisher:IEEE, WOS:000343776100120.
- S. Arad, **Leon. Pană**, F.G. Popescu “*Improving the energetic efficiency at electric drives compressors of E.M. Lonea*”, Papers SGEM2013/Conference Proceedings, Vol. Energy and clean technologies, ISBN 978-619-7105-03-2, ISSN 1314-2704, 153 - 160 pp, DOI: 10.5593/SGEM2013, Albena Co., Bulgaria, 2013, WOS:000365992100020.

- F.G. Popescu, S. Arad, M.D. Marcu, **Leon. Pana**, “Reducing energy consumption by modernizing drives of high capacity equipment used to extract lignite”, Papers SGEM2013/Conference Proceedings, Vol. Energy and clean technologies, ISBN 978-619-7105-03-2, ISSN 1314-2704, 183 - 190 pp, DOI: 10.5593/SGEM2013, DOI:10.5593/SGEM2013/BD4/S17.024 Albena Co., Bulgaria, 2013, WOS:000365992100024.

7. Contracte de cercetare științifică

- Onica I., **Pană Leon (membru)** ș.a. (2014a) Studiul de fezabilitate: „Lucrări pentru dezvoltarea capacității de producție la E.M. Lonea, jud.Hunedoara”- lot I (Etapa I și Etapa II), Contract nr. 4375 /2014, Societatea Complexul Energetic Hunedoara S.A. 49.
- *Alimentare cu energie electrică – dezvoltarea domeniului schiabil din zona Parâng din municipiul Petrosani*, Contract nr. 40 din 20.05.2014, **membru in colectiv**
- Elaborare audit energetic pentru un contur definit la E.M. Lonea, Contract nr. 10/20.07.2012, **membru in colectiv**
- Dan V., Niculescu T., Păsculescu D., și **Pană Leon**, ”Realizarea prototipului bloc de adaptare pentru protecția la suprasarcină a motoarelor electrice în construcție ExdI”, Contract nr.30 ASL din 02.06.2004 încheiat cu C.N.H. Petroșani

8. Alte lucrări și contribuții științifice sau, după caz, din domeniul creației artistice.

Data

Semnătura

10.06.2019

