

Universitatea „Petru Maior” din Tîrgu Mureş
Facultatea de Inginerie
Departamentul de Inginerie Electrică și Calculatoare
Candidat: Dr. ing. Lucian Ioan DULĂU
Concurs: pentru ocuparea postului didactic de asistent, poziția 26
Discipline: Sisteme electroenergetice, Optimizări în electroenergetică, Electrotehnică,
Electrotehnică I

LISTA COMPLETĂ DE LUCRĂRI

A. Lucrări relevante

1. **Dulău L.I.**, Abrudean M., Bică D., „Effects of Distributed Generation on Electric Power Systems”, The 7th International Conference Interdisciplinarity in Engineering, (INTER-ENG 2013), Procedia Technology, Vol. 12, p. 681-686, 2014, ISSN 2212 – 0173.
<http://www.sciencedirect.com/science/article/pii/S2212017313007342>
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=4&SID=W1jLJGNX9OuvAE3HdKJ&page=1&doc=5
2. **Dulău L.I.**, Abrudean M., Bică D., „Distributed Generation Technologies and Optimization”, The 7th International Conference Interdisciplinarity in Engineering, (INTER-ENG 2013), Procedia Technology, Vol. 12, p. 687-692, 2014, ISSN 2212 – 0173.
<http://www.sciencedirect.com/science/article/pii/S2212017313007354>
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=4&SID=W1jLJGNX9OuvAE3HdKJ&page=1&doc=6
3. **Dulău L.I.**, Abrudean M., Bică D., „Automation of a distributed generation system”, 49th Universities’ Power Engineering Conference (UPEC 2014), IEEE Xplore, p. 1-5, 2014, ISBN 978-1-4799-6556-4.
<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6934734>
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=S13asRSTM7aVOgtr4gs&page=1&doc=10
4. **Dulău L.I.**, Abrudean M., Bică D., „Optimal Power Flow Analysis of a Distributed Generation System”, The 8th International Conference Interdisciplinarity in Engineering, (INTER-ENG 2014), Procedia Technology, Vol. 19, p. 673–680, 2015, ISSN 2212-0173.
<http://www.sciencedirect.com/science/article/pii/S2212017315000961>
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=T1xADSUuonmt1h269hK&page=1&doc=5
5. **Dulău L.I.**, „Optimization of a Power System With Distributed Generation Source”, The 9th International Symposium on Advanced Topics in Electrical Engineering (ATEE 2015), IEEE Xplore, p. 903-906, 2015, ISBN 978-1-4799-7514-3.
<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7133930>
https://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=Y2vhvS2x8Ctcb3lmWI7&page=1&doc=2

6. **Dulău L.I.**, Abrudean M., Bică D., „Economic Issues of Distributed Generation in Power Networks”, 6th International Conference on Modern Power Systems (MPS 2015), Acta Electrotehnica, Vol. 56, Nr. 3, p. 98-101, 2015, ISSN 2344-5637.
<http://ie.utcluj.ro/files/acta/2015/Number3/Summary%203%20ejournal%202015%20MPS.pdf>
7. **Dulău L.I.**, „Simulation of a Distributed Generation System”, 2015 20th International Conference on Control Systems and Computer Science (CSCS), IEEE Xplore, p. 85-89, 2015, ISBN 978-1-4799-1779-2.
<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7168413>
8. **Dulău L.I.**, Abrudean M., „Simulation of a power system with renewable energy sources considering load profiles”, 2015 13th International Conference on Engineering of Modern Electric Systems (EMES), IEEE Xplore, p. 1-4, 2015, ISBN 978-1-4799-7649-2.
<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7158405>
https://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=R1edixTivP1oWKzBM2A&page=1&doc=2
9. **Dulău L.I.**, Bică D., „Optimization of a power system with distributed generation sources”, 2015 13th International Conference on Engineering of Modern Electric Systems (EMES), IEEE Xplore, p. 1-4, 2015, ISBN 978-1-4799-7649-2.
<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7158394>
https://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=R1edixTivP1oWKzBM2A&page=1&doc=3
10. **Dulău L.I.**, Abrudean M., Bică D., „Optimal Location of a Distributed Generator for Power Losses Improvement”, The 9th International Conference Interdisciplinarity in Engineering, (INTER-ENG 2015), Procedia Technology, Vol. 22, 2016, p. 734-739, ISSN 2212-0173.
<http://www.sciencedirect.com/science/article/pii/S2212017316000335>

B. Teza de doctorat

Universitatea: Universitatea Tehnică din Cluj Napoca
 Titlul tezei: Optimizarea generării distribuite în sistemele electroenergetice
 Conducător științific: Prof. univ. dr. ing. Mihail ABRUDEAN
 Data susținerii: 22 Octombrie 2015
 Titlul științific: Doctor în Ingineria sistemelor
<http://doctorat.utcluj.ro>

D. Cărți și capitole în cărți

D1. Cărți

Dulău L.I., „Generarea distribuită a energiei electrice”, ed. Stef, Iași, 2016, ISBN 978-606-575-547-5, 109 pag.

D2. Capitole de cărți

Bică D., Dulău M., Muji M., **Dulău L.I.**, „Photovoltaic Power Plant Grid Integration in the Romanian System-Technical Approaches”, Cap. 12 în „Renewable Energy - Utilisation and System Integration”, editat de Wenping Cao and Yihua Hu, ed. InTech, Croația, 2016, ISBN 978-953-51-2407-8, pag. 295-314 din 322 pag.

<http://www.intechopen.com/books/renewable-energy-utilisation-and-system-integration/photovoltaic-power-plant-grid-integration-in-the-romanian-system-technical-approaches>

E. Articole publicate în reviste din fluxul științific internațional principal

E1. Articole publicate în reviste indexate ISI Thomson Reuters

1. **Dulău L.I.**, Abrudean M., Bică D., „Effects of Distributed Generation on Electric Power Systems”, The 7th International Conference Interdisciplinarity in Engineering, (INTER-ENG 2013), Procedia Technology, Vol. 12, p. 681-686, 2014, ISSN 2212 – 0173.

<http://www.sciencedirect.com/science/article/pii/S2212017313007342>

http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=4&SID=W1jLJGNX9OuvAE3HdKJ&page=1&doc=5

2. **Dulău L.I.**, Abrudean M., Bică D., „Distributed Generation Technologies and Optimization”, The 7th International Conference Interdisciplinarity in Engineering, (INTER-ENG 2013), Procedia Technology, Vol. 12, p. 687-692, 2014, ISSN 2212 – 0173.

<http://www.sciencedirect.com/science/article/pii/S2212017313007354>

http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=4&SID=W1jLJGNX9OuvAE3HdKJ&page=1&doc=6

3. **Dulău L.I.**, Abrudean M., Bică D., „SCADA Simulation of a Distributed Generation System with Storage Technologies”, The 8th International Conference Interdisciplinarity in Engineering, (INTER-ENG 2014), Procedia Technology, Vol. 19, p. 665–672, 2015, ISSN 2212-0173.

<http://www.sciencedirect.com/science/article/pii/S221201731500095X>

http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=T1xADSUuonmt1h269hK&page=1&doc=4

4. **Dulău L.I.**, Abrudean M., Bică D., „Optimal Power Flow Analysis of a Distributed Generation System”, The 8th International Conference Interdisciplinarity in Engineering, (INTER-ENG 2014), Procedia Technology, Vol. 19, p. 673–680, 2015, ISSN 2212-0173.

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http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=T1xADSUuonmt1h269hK&page=1&doc=5

5. **Dulău L.I.**, „Simulation of a Microgrid”, The 10th International Conference on Processes in Isotopes and Molecules (PIM 2015), AIP Conference Proceedings, Vol. 1700, ISBN 978-0-7354-1347-4.

<http://scitation.aip.org/content/aip/proceeding/aipcp/10.1063/1.4938440>

https://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=Q1cKopu8yAjP5YP2fk2&page=1&doc=3

E2. Articole publicate în reviste indexate în alte baze de date internaționale BDI

6. **Dulău L.I.**, Abrudean M., „Hybrid Wind and Solar Power System”, Journal of Computer Science and Control System, Vol. 6, Nr. 1, p. 30-33, 2013, ISSN 1844-6043.

http://electroinf.uoradea.ro/images/articles/CERCETARE/Reviste/JCSCS/JCSCS_VOL_6_NO_1_MAY_2013.pdf

7. **Dulău L.I.**, Bondici C., Bică D., Journal of Computer Science and Control System, Vol. 7, Nr. 1, p. 29-34, 2014, ISSN 1844-6043.

http://electroinf.uoradea.ro/images/articles/CERCETARE/Reviste/JCSCS/JCSCS_Vol_7_No_1_May_2014.pdf

8. **Dulău L.I.**, Abrudean M., Bică D., „SCADA Simulation of a Distributed Generation System with Power Losses”, Scientific Bulletin of the "Petru Maior" University of Tîrgu-Mureş, Vol. 11, Nr. 2, p. 25-29, 2014, ISSN 2285-438X.
<http://scientificbulletin.upm.ro/?pag=vols/2014-2>
9. **Dulău L.I.**, Abrudean M., Bică D., „Power Dispatch in an Electrical Power System with Distributed Generators”, 6th International Conference on Modern Power Systems (MPS 2015), Acta Electrotehnica, Vol. 56, Nr. 3, p. 94-97, 2015, ISSN 2344-5637.
<http://ie.utcluj.ro/files/acta/2015/Number3/Summary%203%20ejournal%202015%20MPS.pdf>
10. **Dulău L.I.**, Abrudean M., Bică D., „Economic Issues of Distributed Generation in Power Networks”, 6th International Conference on Modern Power Systems (MPS 2015), Acta Electrotehnica, Vol. 56, Nr. 3, p. 98-101, 2015, ISSN 2344-5637.
<http://ie.utcluj.ro/files/acta/2015/Number3/Summary%203%20ejournal%202015%20MPS.pdf>
11. **Dulău L.I.**, „Impact of Storage Technologies upon Power System Losses”, Journal of Electrical and Electronics Engineering (JEEE), Vol. 8, Nr. 1, p. 9-12, 2015, ISSN 1844-6035.
<http://electroinf.uoradea.ro/index.php/volumes-2/jeee-vol-8-nr-1-may-2015.html>
12. **Dulău L.I.**, Abrudean M., Bică D., „Optimal Location of a Distributed Generator for Power Losses Improvement”, The 9th International Conference Interdisciplinarity in Engineering, (INTER-ENG 2015), Procedia Technology, Vol. 22, p. 734-739, 2016, ISSN 2212-0173.
<http://www.sciencedirect.com/science/article/pii/S2212017316000335>
13. **Dulău L.I.**, Abrudean M., Bică D., „Smart Grid Economic Dispatch”, The 9th International Conference Interdisciplinarity in Engineering, (INTER-ENG 2015), Procedia Technology, Vol. 22, p. 740-745, 2016, ISSN 2212-0173.
<http://www.sciencedirect.com/science/article/pii/S2212017316000347>
14. **Dulău L.I.**, „Optimal Power Flow Analysis of IEEE 14 System with Distributed Generators”, Journal of Electrical and Electronics Engineering (JEEE), Vol. 9, Nr. 1, p. 9-12, 2016, ISSN 1844-6035.
<http://electroinf.uoradea.ro/index.php/jeee/13-cercetare/reviste/jeee/175-vol-9-nr-1-may-2016.html>
15. **Dulău L.I.**, „Simulation of IEEE 14 Power System with Distributed Generators”, Journal of Computer Science and Control System, Vol. 9, Nr. 1, p. 11-14, 2016, ISSN 1844-6043.
<http://electroinf.uoradea.ro/images/articles/CERCETARE/Reviste/JCSCS/JCSCS%20VOL%209%20NO%201%20MAY%202016.pdf>

F. Publicații în extenso, apărute în lucrări ale principalelor conferințe internaționale și de specialitate

F1. Articole publicate în volume de conferințe indexate ISI

1. **Dulău L.I.**, Abrudean M., Bică D., „Distributed Generation and Virtual Power Plants”, 49th Universities' Power Engineering Conference (UPEC 2014), IEEE Xplore, p. 1-5, 2014, ISBN 978-1-4799-6556-4.
<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6934630>
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2. **Dulău L.I.**, Abrudean M., Bică D., „Automation of a distributed generation system”, 49th Universities' Power Engineering Conference (UPEC 2014), IEEE Xplore, p. 1-5, 2014, ISBN 978-1-4799-6556-4.
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3. **Dulău L.I.**, Abrudean M., Bică D., „Applications of Virtual Power Plants Approaches”, 2014 International Conference and Exposition on Electrical and Power Engineering (EPE), IEEE Xplore, p. 1060 - 1064, 2014, ISBN 978-1-4799-5849-8.

<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6970071>

http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=4&SID=W1jLJGNX9OuvAE3HdKJ&page=1&doc=3

4. **Dulău L.I.**, Abrudean M., „Simulation of a power system with renewable energy sources considering load profiles”, 2015 13th International Conference on Engineering of Modern Electric Systems (EMES), IEEE Xplore, p. 1-4, 2015, ISBN 978-1-4799-7649-2.

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5. **Dulău L.I.**, Bică D., „Optimization of a power system with distributed generation sources”, 2015 13th International Conference on Engineering of Modern Electric Systems (EMES), IEEE Xplore, p. 1-4, 2015, ISBN 978-1-4799-7649-2.

<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7158394>

https://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=R1edixTivP1oWKzBM2A&page=1&doc=3

6. **Dulău L.I.**, „Optimization of a Power System With Distributed Generation Source”, The 9th International Symposium on Advanced Topics in Electrical Engineering (ATEE 2015), IEEE Xplore, p. 903-906, 2015, ISBN 978-1-4799-7514-3.

<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7133930>

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F2. Articole publicate în volumele conferințelor indexate în alte baze de date internaționale BDI

7. **Dulău L.I.**, Abrudean M., Bică D., „Impact of Distributed Generation Upon Reghin – Lăpușna Medium Voltage Line”, 2014 International Symposium on Fundamentals of Electrical Engineering (ISFEE), IEEE Xplore, p. 1-5, 2015, ISBN 978-1-4799-6820-6.

<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7050601>

8. **Dulău L.I.**, „Economic Analysis of a Microgrid”, 2014 International Symposium on Fundamentals of Electrical Engineering (ISFEE), IEEE Xplore, p. 1-4, 2015, ISBN 978-1-4799-6820-6.

<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7050554>

9. **Dulău L.I.**, „Simulation of a Distributed Generation System”, 2015 20th International Conference on Control Systems and Computer Science (CSCS), IEEE Xplore, p. 85-89, 2015, ISBN 978-1-4799-1779-2.

<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7168413>

10. **Dulău L.I.**, Abrudean M., Bică D., „Impact of a photovoltaic power plant connection on the power system”, 2015 IEEE Eindhoven PowerTech, IEEE Xplore, p. 1-4, 2015.

<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7232321>

G. Alte lucrări și contribuții științifice

G1. Publicații în reviste și volume ale altor manifestări științifice

1. **Dulău L.I.**, „Hybrid Wind and Solar Power System”, Convergence of Information Technologies and Control Methods with Power Systems (ICPS' 13), Poster Session, p. 35-41, 2013, ISBN 978-973-662-849-8.

<http://icps13.conference.utcluj.ro/program1.html>

2. **Dulău L.I.**, Abrudean M., Bică D., „Future of power systems: smart grids and distributed generation”, 6th International Conference on Energy and Environment (CIEM), 2013, ISSN 2067-0893.

<http://www.ciem2013.energ.pub.ro/s3.html>

3. **Dulău L.I.**, Bondici C., „Optimization and Simulation of a Distributed Generation Environment”, IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR 2014), Poster Session, 2014.

<http://www.aqtr.ro/program/AQTR2014-Technical%20program.pdf>

4. **Dulău L.I.**, Abrudean M., Bică D., „Effects of a Photovoltaic Power Plant Integration on Distribution Network”, 7th International Conference on Energy and Environment (CIEM), 2015, ISSN 2067-0893.

<http://www.ciem2015.energ.pub.ro/files/Program%20CIEM%202015%20web.pdf>

Tîrgu Mureș,
23 iunie 2016

Dr.ing. Lucian Ioan DULĂU