

**LISTĂ DE LUCRĂRI**

Ioan - Cătălin Damian

I. TEZĂ DE DOCTORAT: *Supply of Large Cities Using Modular Multilevel High Voltage Direct Current Converters*, susținută în noiembrie 2020.

IV. ARTICOLE / STUDII IN EXTENSO PUBLICATE (R,V)

Ris - Reviste de specialitate de circulație internațională recunoscute (ISI sau BDI):

- [1]. **I. C. Damian**, M. Eremia and L. Toma, *Fault Simulations in a Multiterminal High Voltage DC Net-work with Modular Multilevel Converters using Full-Bridge Submodules*, *Energies*, Vol. 14, No. 6, March 2021. ISI [1653, WOS 000634414500001, IF 3.002, ISSN 1996-1073]
- [2]. **I. C. Damian** and M. Eremia, *HVDC Link Detailed Model and Control Design*, in *University Politehnica of Bucharest Scientific Bulletin, Series C, Electrical Engineering and Computer Science*, Vol 82, Nr. 4, Bucharest, November 2020. ISI [WOS 000596151000027, IF 0.32, ISSN 2286-3540]

Vis- Volumele unor manifestări științifice internaționale (ISI sau BDI)

- [1]. **I. C. Damian** and M. Eremia, *Performance Analysis of a Full Bridge Modular Multilevel Converter for High Voltage DC Transmission Using Various Pulse Width Modulation Techniques*, in *Proceedings of 9th International Conference on Modern Power Systems*, Cluj, June 2021. [ISI Proceedings, Ascension number pending, WOS pending, ISBN 978-1-6654-3383-9]
- [2]. Mihaela Damian and **I. C. Damian**, *A New Incident Recording Algorithm for High Voltage Direct Current Converters*, in *Proceedings of The 12th International Symposium on Advanced Topics in Electrical Engineering*, March, 2021. [ISI Proceedings, Ascension number 20691696, WOS 000676164800144, ISSN 1843-8571]
- [3]. **I. C. Damian**, M. Eremia and L. Toma, *Modelling and Control of a Novel East-European Multiterminal High Voltage DC Network*, in *4th International Conference on Power and Energy Engineering (ICPEE)*, Xiamen, November 2020. [ISI Proceedings, Ascension number 20346759, WOS pending, ISBN 978-1-7281-9126-3]
- [4]. **I. C. Damian**, M. Eremia and A. Ianțoc, *A Novel Multiterminal High Voltage DC Network in the Black Sea Region*, in *International Symposium on Fundamentals of Electrical Engineering*, Bucharest, November 2020. [ISI Proceedings, Ascension number pending, WOS pending, ISBN 9978-1-7281-9038-9]



- [5]. **I. C. Damian**, M. Eremia and A. Ianțoc, *Detailed Modelling and Control of a Multiterminal High Voltage DC Network*, in 11th International Conference and Exposition on Electrical and Power Engineering (EPE), Iași, October 2020. [ISI Proceedings, Ascension number 20389421, WOS pending, ISSN 2644-223X]
- [6]. **I. C. Damian**, M. Eremia and L. Toma, *Detailed Modelling and Control of a Modular Multilevel Converter with Full-Bridge Submodules in a Multi-Terminal High Voltage DC Network*, in 55th International Universities Power Engineering Conference, Torino, September 2020. [ISI Proceedings, Ascension number 20008315, WOS 000627771000009, ISBN 978-1-7281-1079-0]
- [7]. **I. C. Damian**, M. Eremia and M. Sănduleac, *Fault Analysis of a High Voltage Direct Current Link Using Detailed Equivalent Models for Modular Multilevel Converters*, in 8th International Conference on Modern Power Systems (MPS), Cluj, May 2019. [ISI Proceedings, Ascension number 18821831, WOS 000612401900056, ISBN 978-1-7281-0751-6]
- [8]. **I. C. Damian**, M. Eremia and M. Sănduleac, *A Cost Effective Boost Converter for a Hybrid Low-Voltage Neighbourhood Network*, in International Conference and Exposition on Electrical and Power Engineering (EPE), Iași, October 2018. [ISI Proceedings, Ascension number 17412294, WOS 000458752200085, ISBN 978-1-5386-3944-3]
- [9]. **I. C. Damian**, M. Eremia and L. Toma, *Advanced Control of a Modular Multilevel High Voltage Direct Current Converter*, in International Conference on Energy and Environment (CIEM), Bucharest, October 2017. [ISI Proceedings, Ascension number 18322214, WOS 000427610300001, ISBN 978-1-5386-5063-9]
- [10]. **I. C. Damian**, *A Comprehensive Approach to the Modelling and Control of a High Voltage Direct Current Modular Multilevel Converter*, in 10th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, March 2017. [ISI Proceedings, Ascension number 16824746, WOS 000403399400127, ISBN 978-1-5090-5161-8]

Vn - Volumele unor manifestări științifice naționale:

- [1]. B. Pușcaș and **I. C. Damian**, *Cyber Security in Smart Grid – Fundamentals and Experimental Applications*, presented in CIGRE Regional South-East European Conference (RSEEC) Bucharest, October 2020.