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Educational Profile:

- PhD in Electrical engineering, University of Mentouri Brothers Constantine, Algeria
- Master in Electrical engineering, University of Mentouri Brothers Constantine, Algeria
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List of Current Research Projects

Conception d'un onduleur de traction basé sur la technologie de Mosfet SiC pour les véhicules électriques

List of Journal Publications

1. **Boumassata A**, Kerdoun D and Oualah O, 2022, Maximum power control of a wind generator with an energy storage system to fix the delivered power, *Electrical Engineering & Electromechanics*, no. 2, p. 41-46, ISSN:2074-272X
2. Oualah O, Kerdoun D and **Boumassata A**, 2022, Comparative study between sliding mode control and the vector control of a brushless doubly fed reluctance generator based on wind energy conversion systems. *Electrical Engineering & Electromechanics*, no. 1, p. 51-58, ISSN:2074-272X
3. **Boumassata A** and Kerdoun D, 2017, Speed control of a doubly fed induction machine via an AC-AC converter, *Int J Syst Assur Eng Manag*, Vol. 08, p. 407-412, ISSN:0975-6809
4. **Boumassata A** and Kerdoun D, 2014, Modeling, simulation and control of wind energy conversion system based on doubly fed induction generator and cycloconverter, *Advances in Electrical and Computer Engineering*, Vol. 14, p. 43-48, ISSN: 1582-7445
5. Cherfia N, Kerdoun D and **Boumassata A**, 2014, Correction of the mechanical speed for the dfig wind turbine, *International Journal of Research in Engineering and Technology*, Vol. 2, no 11, p. 29-38. ISSN: 2347-4599
6. Kerdoun D, **Boumassata A** and Cherfia N and *Bennecib N*, 2014, Active and Reactive Power Control of a DFIG with Cycloconverter for Variable Speed WECS, *Journal of aedie*, no 155, ISSN:2172-1246
7. **Boumassata A**, Kerdoun D, Cherfia N and *Bennecib N*, 2013, Performance of wind energy conversion systems using a cycloconverter to control a doubly fed induction generator, *Energy Procedia*, Vol. 42, p. 143-152, ISSN: 1876-6102

List of Conference Papers

1. Brahimi A, Kerdoun D and **Boumassata A**, 2022, Boost Converter Control using LQR and P&O Technique for Maximum Power Point Tracking, In : *2022 19th International Multi-Conference on Systems, Signals & Devices (SSD)*, IEEE, 2022. p. 1998-2003.
2. Madaci M, Kerdoun D and **Boumassata A**, 2015, A fuzzy logic pitch angle control system implementation for OWC power plant generators. In: *IEEE EUROCON 2015 International Conference on Computer as a Tool (EUROCON)*. IEEE, 2015. p. 1-5.
3. **Boumassata A**, Kerdoun D and Madaci M, 2015, Grid power control based on a wind energy conversion system and a flywheel energy storage system. In: *IEEE EUROCON 2015-international conference on computer as a tool (EUROCON)*. IEEE, 2015. p. 1-6.
4. **Boumassata A** and Kerdoun, D, 2015, Direct powers control of DFIG through direct converter and sliding mode control for WECS, In: *2015 3rd International Conference on Control, Engineering & Information Technology (CEIT)*. IEEE, 2015. p. 1-5.
5. Madaci M., Kerdoun D, **Boumassata A** and Charfia N, 2013, Power active filter system implimentation for photovoltaic generation system (PVGS) used in standing alone zones. In : *2013 13th International Conference on Environment and Electrical Engineering (EEEIC)*. IEEE, 2013. p. 74-79.
6. Cherfia N, Kerdoun D and **Boumassata A**, 2013, Sliding mode control indirect strategy of the active and reactive power for the wind turbine DFIG, In: *Proceedings of the Conference Internationale des Energies Renouvelables (CIER'13)*. 2013.