

## Mr. Lovemore Gunda

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### Professional Qualifications

- ❖ Master of Engineering Degree in Electronic Engineering, Stellenbosch University, South Africa
- ❖ Bachelor of Engineering Honours Degree in Electronic Engineering, NUST, Byo, Zim
- ❖ Further Education Trainer's Certificate (FETC) , Zimbabwe

### Research Interests

Power electronics, electrical machine drives, electrical and electronic measurements, instrumentation and control, power systems simulation and modeling and renewable energy power conversion.

### Publications

- i. Svetlana Bebova, **LovemoreGunda**, Stephen Mudere and magripa Nleya. "Field Programmable Gate Array Based Variable Speed Drive for a Three Phase Induction Machine". *Zimbabwe Journal of Science and Technology (ZJST)*, Vol. 11. pp 132-141, 2016. [Available online at <http://www.nust.ac.zw/zjst/index.php/volume-11-2016>]

### Conferences

- i. **L Gunda** and Malvern Dongeni. "Intelligent Interactive System for E-Learning", *Presented at ACRID 2017 Conference*, Victoria Falls, Zimbabwe, June 2017.
- ii. Magripa Nleya, **LovemoreGunda**, ZvirevoChisadza and Dr Mercy Manyuchi. "Integrated Municipal Solid Waste Management System (IMSWMS)".

*Proceedings of the International Conference on Research Innovation in Science and Engineering (RISE'2016)*, Mauritius, March 2016. ISBN: 978-93-84422-91-2

- iii. **L Gunda** and N Gule. "Brush-DC Equivalent Control Based Delta Modulation for a PWM Inverter-fed Nine Phase Induction Machine Drive". *IEEE International Conference on Industrial Technology (ICIT)*, Sevilla, Spain, March 2015.
- iv. **L Gunda** and N Gule. "Experimental Evaluation of Delta Modulation for PWM Nine-Phase Inverter with a Trapezoidal Reference Current Waveform". *Presented at SAUPEC Conference*, Johannesburg, South Africa. 2015.
- v. F. Nhenga-Mugarisanwa, **L.Gunda**, F.T. Mangwanda and A.M. Gwebu. "An Internet-based Point-Of-Betting (IPOB) for Lotto Punters". *SAIIE26 Proceedings*, Muldersdrift, South Africa, 2014.
- vi. **L Gunda** and N Gule. "Simulation of Delta modulated PWM-fed BDCE Controlled Nine Phase Induction Machine Drive," *Presented at SAUPEC Conference*, Durban, South Africa. 2014.
- vii. **LovemoreGunda**, Zedekiah M Nyathi, LungileNyanga, Fredrick Nkiwane, Samson Mhlanga. "Telemetric Data Logger and Monitor for Mining Vehicles," *SAIIE25 Proceedings*, Stellenbosch, South Africa. 2013.
- viii. **LovemoreGunda**, Lee Masuka, Reginald Gonye, Samson Mhlanga and LungileNyanga. "RFID Based Automatic Tollgate System (RATS)," *CIE42 Proceedings*, Cape Town, South Africa. 2012.
- ix. **L Gunda**, S Mhlanga and E Bhero. "Computer Based Heat Treatment Process Control," *Presented at ZIE 6th International Conference*, Mutare, Zimbabwe. 2011.

### Affiliations

- ❖ Graduate Member : Institute of Engineering Technology, IET, UK
- ❖ Member : Institute of Electrical and Electronics Engineers, IEEE.