

Message from the Editorial Team

We would like to extend our sincere gratitude to the departmental staff for following the safety precautions in preventing the spread of COVID-19. Thus far, no cases of COVID-19 pandemic has been reported in the department.



COVID-19 SAFETY MEASURES

[set of 10 important do's and don'ts]



On behalf of the department, we are excited to welcome Mr. Vusani and Abayomi.

Abayomi A. Adebiji (Shine) is newly appointed as a Lecturer at the Department of Electrical Power Engineering. He is a member of SAIEE and ECSA. He received Higher National Diploma in Electrical and Electronic Engineering at Kwara State Polytechnic, Ilorin, Nigeria, and a Master of Engineering (MEng) degree in Electrical Power Engineering at the Durban University of Technology (DUT), South Africa in 2006, and 2017 respectively. He is currently working towards his Doctor of Engineering (DEng) degree in Electrical Engineering at the Durban University of Technology (DUT), South Africa. He holds a Diploma from the University of Valladolid, Spain, and the University of Porto, Portugal, which was both European Union Commission scholarship in 2018 and 2019, respectively.



He worked at Covenant University, Ota, Nigeria as a Lab Technologist in the Department of Electrical and Information Engineering (EIE) and at the Department of Electrical Power Engineering of the Durban University of Technology, South Africa as a Tutor, WIL Assistant, substitute Lecturer, and Technician

Vusani Victor Nemudzivhadi is newly appointed as a Technical Assistant at Durban University of Technology in South Africa, Durban.

He completed his National Diploma and Bachelor's Degree in Electrical Power Engineering from the Vaal University of Technology in 2017 and 2018.

He worked as a Maintenance Technician at Eskom (Matimba power station), a part-time junior lecture at Rostec Technical FET College, a Mathematics Tutor at Vaal University of Technology and as an Electrical Engineer in training at Amasted Foundry Solution in South Africa.



Research

Book and Book Chapter

- [1] Akhilesh Panwar, Gulshan Sharma, Ibraheem and R. C. Bansal, "Jaya Evaluated Frequency Control Design for Hydro Electric Power System using RFB and UPFC", Lecture Notes in Electrical Engineering in Intelligent Computing Techniques for Smart Energy Systems, Springer, vol. 607, pp. 863-871, 2020.

Journal Papers

- [1] G. Sharma and K. Loji, "Critical Aspects of AGC Emerging from Optimal Control to Machine Learning Techniques," Indonesian Journal of Electrical Engineering and Informatics, vol. 8, no. 2, pp. 230-241, 2020.
- [2] Aluko AO, Carpanen RP, Dorrell DG, Ojo EE. Robust State Estimation Method for Adaptive Load Frequency Control of Interconnected Power System in a Restructured Environment. IEEE Systems Journal. 2020 Jul 10.
- [3] Adetokun BB, Ojo JO, Muriithi CM. Reactive Power-Voltage-Based Voltage Instability Sensitivity Indices for Power Grid with Increasing Renewable Energy Penetration. IEEE Access, vol 8, pp.85401-85410, May 2020.

Refereed Conference Papers and Posters

- [1] Milton Estrice, Gulshan Sharma, Kayode Akindeji and Innocent E Davidson, "Application of AI for Frequency Normalization of Solar PV-Thermal Electrical Power System", icABCD Conference, Durban, 6-7 Aug 2020
- [2] Sboniso B Masikana, Gulshan Sharma, Kayode Akindeji and Innocent Ewean Davidson, "Voltage Stability Enhancement Studies for Distribution Network with Installation of FACTS", icABCD Conference, Durban, 6-7 Aug 2020.
- [3] Salome Tshikomba, Milton Estrice, Evans Ojo and Innocent Davidson, "Curbing Electricity Theft Using Wireless Technique Considering Communication Constraints", icABCD Conference, Durban, 6-7 Aug 2020.
- [4] Milan Joshi, Gulshan Sharma and Innocent E Davidson, "Load Frequency Control of Hydro Electric System using Application of Fuzzy with Particle Swarm Optimization Algorithm", icABCD Conference, Durban, 6-7 Aug 2020.
- [5] Jonas Dakora, Innocent Davidson and Gulshan Sharma, "Review of Modern Space Solar Power Satellite Systems and Space Rectenna", icABCD Conference, Durban, 6-7 Aug 2020.

Events and Announcements

Departmental Research Committee (DRC)
22 July 2020
14 August 2020
21 August 2020
25 September 2020
23 October 2020

Faculty Research Committee (FRC)
31 July 2020
27 August 2020
03 September 2020
06 October 2020
03 November 2020

EDITORS

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Upcoming Conferences

2020 IEEE PES/IAS Power Africa Conference, 25–28 August 2020, Nairobi, Kenya

NEIS 2020 – Conference on Sustainable Energy Supply and Energy Storage Systems ,14-15 September, 2020, Hamburg, Germany

ICRERA 2020
9th International Conference on Renewable Energy Research and Applications, September 27-30, 2020, Glasgow/UK

IEEE Region 8 AFRICON 2021, 13-15 September 2021, Arusha, Tanzania