

CURRICULUM VITAE

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EDUCATION:

University

April, 2000 to March, 2003: Ehime University. Ph.D in Electrical Engineering, majoring in High Voltage Technology (PD Location in Power Transformers using Acoustical Methods)

October, 1999 to March, 2000: Osaka University of Foreign Languages. Obtained a certificate of proficiency in Japanese language

October, 1989 to July, 1994: Poznan Technical University, Poland. Attained an MSc. In Electrical and Electronic Engineering. Wrote and defended a thesis entitled "Measurement of Arc Voltage in Vacuum as a Function of the Interrupted Current for Different Contact Kinds and Sizes".

September, 1988-June, 1989: University of Lodz, Poland. Underwent a language course.

WORK EXPERIENCE:

1995 to Date:

Employed at Jomo Kenyatta University of Agriculture and Technology, Nairobi Kenya as an Assistant Lecturer (promoted to Lecturer on the 3rd May 2003 and Senior Lecturer 3rd June 2009). My responsibilities include teaching and examining students, supervision of students' projects and also carrying out research. I have been teaching the following subjects:-

- Circuit and Network Theory, Electrical Machines [2nd year BSc students]
- Electrical Measurements, Electronics [2nd year BSc students]
- Power Systems (generation, transmission and distribution of power) [4th year BSc students]
- Power System Protection [5th year BSc students & MSc students]
- High Voltage Technology [5th year BSc students]
- Advanced Power System Analysis [MSc Students]

- George K. Irungu, Aloys O. Akumu, David K. Murage “Modeling Industrial Load due to severe Voltage Surges and Sags: A Case Study of Magadi Soda Company” IEEE Africon Conference, September 2007, Windhoek Namibia.
- A. G. Oduor, A. O. Akumu, L. M. Ngoo “Economic and Operational Effects of introducing Independent Power Producers in the Kenyan Power System” JKUAT Scientific Conference, December 2008.

Journal Papers

- N. Hirai, A. O. Akumu, K. Arii, “The Effect of Electrode Construction in Breakdown Time Lag of Impulse Breakdown in Mineral Oil”, Jpn. J. Appl. Phys. Vol. 37 (1998) pp. 4884-4886.
- N. Hirai, A. O. Akumu, K. Arii, “Breakdown Time Lags of Impulse Breakdown in Transformer Oil (I) ~An Effect of Contaminant~”, Memoirs of Faculty of Engineering, Ehime University, Vol. XVII, pp.317~325 February 1998.
- N. Hirai, A. O. Akumu, K. Arii, “Breakdown Time Lags of Impulse Breakdown in Transformer Oil (II) ~An Effect of Electrode Construction~”, Memoirs of Faculty of Engineering, Ehime University, Vol. XVII, pp.327~335 February 1998.
- A. O. Akumu, H. Masai, F. Adachi, R. Ozaki, H. Ihori, M. Fujii and K. Arii, “Analysis of Partial Discharge Acoustic Wave Propagation in a Model Transformer”, Jpn. J. Appl. Phys. Vol. 42, Part 1, No. 6A, pp. 3686-3689, June 2003
- A. O. Akumu, H. Masai, F. Adachi, R. Ozaki, H. Ihori, M. Fujii and K. Arii, “Wavelet Analysis of Partial Discharge Acoustic Signals in a Model Transformer”, Jpn. J. Appl. Phys. Vol. 42, Part 1 No. 8 pp. 5347-5352, August, 2003

Workshop

Made a Presentation entitled “Will Deregulation Short-Circuit Kenya’s Electric Power Supply?” at the Stakeholders’ Workshop on Proposed Kenya Electricity Grid Code and Rules held on the 18th November 2004 at the Nairobi Safari Park.

Referees:

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