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SCHOLARLY PUBLICATIONS AND CREATIVE ACHIEVEMENTS

BOOKS CHAPTERS:

- I.K Oyeyinka, A.T Akinwale, A.O. Oluwatope, O. Folorunso, G.A. Aderounmu and O.O. Abiona, "E-Speed Start- A Window Based Additive Increase, Multiplicative Decrease Network Congestion Control Technique", *Technological Developments in Networking, Education and Automation, Springer Science* Pp. 493-498, 2010. DOI: 10.1007/978-90-481-9151-2_85
- A.O. Oluwatope, G.A Aderounmu, E.R. Adagunodo, O.O.Abiona, and F.J. Ogwu , "Available Bandwidth based Congestion Avoidance Scheme for TCP: Modelling and Simulation,"*Advances in Computer and Information Sciences and Engineering, Springer Science + Business Media*, pp. 85-89, August 2008.

ARTICLES (in refereed journals):

- Safiriyu Eludiora, Olatunde Abiona, Ayodeji Oluwatope, Adeniran Oluwaranti, Clement Onime, Lawrence Kehinde, "A User Identity Management Protocol for Cloud Computing Paradigm", *International Journal of Communications, Network and System Sciences (IJCNS)*, Vol.4, no. 3, Pp. 152-163, 2011
- Kolawole I. Oyeyinka, Ayodeji O. Oluwatope, Adio. T. Akinwale, Olusegun Folorunso, Ganiyu A. Aderounmu, Olatunde O. Abiona, "TCP Window Based Congestion Control-Slow Start Approach", *Communications and Network (CN)*, Vol.3, no. 2, Pp. 85-89, 2011.
- Safiriyu Eludiora, Olatunde Abiona, Ganiyu Aderounmu, Ayodeji Oluwatope, Clement Onime, Lawrence Kehinde, "A Load Balancing Policy for Distributed Web Service", *International Journal of Communications, Network and System Sciences (IJCNS)*, pp. 645- 654, August 2010.
- O.O. Abiona, A.O.T Aladesanmi, C.E. Onime, A.I. Oluwaranti, A.O. Oluwatope, O. Adewara, T. Anjali, and L.O. Kehinde, "A Scalable Architecture for Network Traffic Monitoring and Analysis Using Free Open Source Software", *International Journal of Communications, Network and System Sciences (IJCNS)*, pp. 528-539, September 2009.
- O.O. Abiona, T. Anjali, C. E. Onime, and L. O. Kehinde, "Analysis of a cyclic multicast proxy server architecture," *International Journal of Communications, Network and System Sciences (IJCNS)*, vol. 1, no 4, pp.300-305, November 2008.
- O.O. Abiona, C.E. Onime, A.I. Oluwaranti, E.R. Adagunodo, L.O. Kehinde, S.M. Radicella. "Development of a Non Intrusive Network Traffic Monitoring and Analysis System", *African Journal of Science and Technology*, Vol.7, No.2, pp.54-69, December 2006.

ARTICLES (in Refereed Conference Proceedings):

- O.O. Abiona, A.I. Oluwaranti, A. O. Oluwatope, S. A. Bello, M.L Sanni, C.E. Onime and L.O. Kehinde, "Mobile Agent Authentication Scheme for Wireless Network", *2012IEEE International Conference on Electro/Information Technology(EIT-2012)*, Indiana University-Purdue University, Indianapolis, May 6-8, 2012.
- O.O. Abiona, C.E. Onime, S. Cozzini, "Capacity Building for HPC Infrastructure Setup in Africa: The ICTP Experience, IEEEExplore " *IST-Africa 2011 Conference & Exhibition*, Gabarone, Botswana, Pp. 1-8, 2011.
- S. I. Eludiora, O.O. Abiona, A. O. Oluwatope, S. A. Bello, M.L Sanni, , D. O. Ayanda, C.E. Onime E. R. Adagunodo and L.O. Kehinde, "A Distributed Intrusion Detection Scheme for Wireless Sensor Networks", *2011 IEEE International Conference on Electro/Information Technology(EIT 2011)*, Minnesota State university, Mankato, Pp. 1-5, 2011.
- S. A. Bello, O.O. Abiona, A. O. Oluwatope, M.L Sanni, C.E. Onime S. I. Eludiora, G. A. Aderounmu, E. R. Adagunodo and L.O. Kehinde, "An e-Business Grid Model Architecture for Small and Medium Scale Enterprises", *IEEE International Conference on Electro/Information Technology (EIT2010)*, Normal, Illinois, USA, May 20 – 22 2010.
- Oyeyinka I. K, Akinwale A.T, Oluwatope A.O., Folorunso O., Aderounmu G.A. and Abiona O.O. "ESpeed Start- A Window Based Additive Increase, Multiplicative Decrease Network Congestion Control Technique" *International Joint Conference on Computer, Information, and System Sciences and Engineering (CISSE 2009)* December 4 – 12, 2009.
- A.I. Oluwaranti, O.O. Abiona, C.E. Onime, A.T. Toki, and L.O. Kehinde, "Implementation of a GSM-Based Remotely Controlled and Monitored Machine System", *32nd International Convention MIPRO 2009, Telecommunications and Information Conference*, Opatija, Croatia. Pp. 115-120, May 25-29 2009.
- O.O. Abiona, A.I. Oluwaranti, T. Anjali, C. E. Onime, E.O. Popoola, G.A. Aderounmu, A.O. Oluwatope and L. O. Kehinde, "Architectural Model for Wireless Peer-to-Peer (WP2P) File Sharing for Ubiquitous Mobile Devices," *IEEE International Conference on Electro/Information Technology (EIT2009)*, Windsor, Ontario, Canada, pp. 35-39, June 7-9 2009.
- O.O. Abiona, and Y. Cheng, "Mobile Agent based Authentication for Wireless Network Security", *IEEE International Wireless Communications and Mobile Computing Conference (IWCMC'08)*, Crete Island, Greece, pp. 1075-1080, August 6-8, 2008.
- O.O. Abiona, T. Anjali, C. E. Onime, and L. O. Kehinde, "Proxy server experiment and the changing nature of the web," *IEEE International Conference on Electro/Information Technology (EIT2008)*, Ames, Iowa, pp. 242-245, May 18-20, 2008.
- O.O. Abiona, T. Anjali, and L. O. Kehinde, "Simulation of a cyclic multicast proxy server", *IEEE International Conference on Electro/Information Technology (EIT2008)*, Ames, Iowa, pp. 102-107. May 18-20, 2008.