

## Publications

### Chapters in Books

1. **Ayorinde, I.T.**, Akinkunmi, B.O. and Alao, Y.M. (2014). Course Registration Ontology for Students (A Case Study of Computer Science Department, University of Ibadan). In David, A. and Uwadia, C. (Eds.). *Transition from Observation to Knowledge to Intelligence*. Houdemont: ISKO-France. 115-123pp. ISBN 978-2-9546760-1-2. (France)
2. **Ayorinde, I.T.** and Akinkunmi, B.O. (2019). Formalisation of Transition Between Occurrents in A Domain Ontology. In Ao, S. I., Castillo, O., Douglas, C., Feng, D. D. and Korsunsky, A. M. (Eds.). *Lecture Notes in Engineering and Computer Science*. Hong Kong in IMECS, 2019. 26-30pp. ISBN: 978-988-14048-5-5. ISSN: 2078-0958. (Hong Kong)
3. **Ayorinde, I.T.** and Badmos Z. O. (2019). Development of Deep Learning Model on Mushroom Dataset towards Classifying Poisonous Mushroom with Feature Selection. In Odumuyiwa, V., Onifade, O., David, A. and Uwadia, C. (Eds.). *Transition from Observation to Knowledge to Intelligence*. Lagos, Nigeria. 225-237pp. ISBN: 978-978-976-000-8. (Nigeria)

### Articles in Refereed Conference Proceedings:

4. **Ayorinde, I.T.** and Osofisan, A.O. (2011). Prediction of Hypertensive Heart Diseases using Artificial Neural Networks. In Chang, W., Osofisan, A. O., Chiemeké, S., Boateng, R. and Longe, O. (Eds.). *Sustaining the Momentum and Extending the Reach: Proceedings of International Conference on Information and Communication Technology (ICT) for Development in Africa*. 23-26 March, 2011. Ota: Letters and Scripts Publishers. 204-208pp. (Nigeria)
5. **Ayorinde, I.T.**, Sakpere, A.B. and Adekunle, O.F. (2012): Design and Implementation of A Parser With Error Correction And Recovery (A Case Study of Java Programming Language). *Proceedings of International Conference on ICT for Africa*. Imperial Royale Hotel, Kampala, 255 – 261pp. (Uganda)
6. Akinkunmi, B.O., Basse, P.C. and **Ayorinde, I.T.** (2013): A Comparative Analysis of Knowledge Modeling Methodologies in Artificial Intelligence Research. *Proceedings of International Conference of iSTEAMS Research Nexus*. University of Ibadan, Ibadan. 379–382pp. (Nigeria)
7. **Ayorinde, I.T.** and Erhabor, E.A. (2016). Mind Analysis Game Using Android Mobile Technology. In Folajimi, Y. O. and Oladosu J. B. (Eds.). *Computing Research and Innovations: Proceedings of the 2<sup>nd</sup> Ibadan ACM International Conference on Computing Research and Innovations*. 7-9 September, 2016. Ibadan: Ibadan ACM Chapter. 223-226pp. (Nigeria)

Articles that have Already Appeared in Learned Journals:

8. **Ayorinde, I.T.** and Osofisan, A.O. (2010). Application of Artificial Neural Networks in Classifying Medical Database. *Journal of Science Research* Vol. 9: 12-18. (Nigeria)
9. **Ayorinde, I.T.** and Akinkunmi, B.O. (2013). Application of First-Order Logic in Knowledge Based Systems. *IEEE African Journal of Computing and ICTs*. Vol. 6. No. 3: 45-52. (Nigeria)
10. **Ayorinde, I.T.** and Akinkunmi, B.O. (2013). A Dynamic Ontology for Shared Representation of Knowledge of Establishments. *Journal of Science Research, Special Edition*. Vol. 12: 275-283. (Nigeria)
11. Akande, O., Akinkunmi, B.O. and **Ayorinde, I.T.** (2015). An Ontological Informatics on Development of Tablet Drug in Pharmaceutical Industry. *International Journal of Advanced Research in Computer Science*. Vol. 6. No. 8: 1-6. (India)
12. **Ayorinde, I.T.** and Akinyele, O.A. (2016). A Formal Activity Ontology for Postgraduate Admission Processes (A Case Study of University of Ibadan). *Ilorin Journal of Computer Science and Information Technology*. Vol. 1. No. 1: 1-18.(Nigeria) (Vol. 3 in 2020).
13. **Ayorinde, I.T.** (2016). Automatic Question Generation Using Natural Language Processing. *Computing Information Systems Development Informatics & Allied Research Journal*. Vol. 7. No. 4: 223-239 (Nigeria)
14. **Ayorinde, I.T.** and Iweala, C.N. (2017). Enhancing Personalization in E-Learning Systems using Ontology. *Journal of Digital Innovations and Contemp. Res. In Sc., Eng., & Tech.*. Vol. 5. No. 2: 151-166. (United States of America)
15. **Ayorinde, I. T.**, Akinkunmi, B. O. and Adenuga, A. O. (2017). A Formalised Ontology of Election, *University of Ibadan Journal of Science and Logics in ICT Research (UIJSLICTR)*, Vol. 1. 34 – 41. (Nigeria) (Vol. 5 in 2020)
16. **Ayorinde, I.T.**, Akinkunmi, B.O. and Ogunidipe, T. A. (2017): A Formal Tourism Ontology (A Case Study of Nigeria). *International Journal of ICT & Management (IJICTM)*. Vol. 5. No. 2: (8 pages). (Ghana)
17. Akinkunmi B. O., **Ayorinde, I. T** and Adebisi A. (2018). Visualization of Communicating Sequential Processes Using State Transition Diagrams Technique. *Nigerian Journal of Science (NJS)*. Vol. 52. No. 2: 21-30 (Nigeria)
18. **Ayorinde I. T.** and Idyorough P. N. (2018). A Pattern Matching Model For Identifying Deception. *The Journal of Computer Science and Its Applications (JCSA)*. Vol. 25. No.2: 149-156. (Nigeria)
19. **Ayorinde, I. T.** (2019). Ontological Representation of Electrical Geophysical Methods, *University of Ibadan Journal of Science and Logics in ICT Research (UIJSLICTR)*, Vol. 3. No. 1: 25 – 33. (Nigeria) (Vol. 5 in 2020).

20. **Ayorinde I. T.** and Oyedeji O. A. (2019). An Ontology for Intra-Campus Transport System (ICTS) (A Case Study of the University of Ibadan Campus). *Journal of Digital Innovations and Contemp. Res. In Sc., Eng., & Tech.*. Vol. 7. No. 4: 65-78. (United States of America)
21. **Ayorinde I. T.** (2020). A Formalised Ontology of Musical Instruments. *International Journal of Computer Applications (IJCA)*. Vol. 176 No. 24: 28-32, May 2020. DOI: 10.5120/ijca2020920235. (United States of America)
22. **Ayorinde I. T.** and Daniel A. A. (2020). Comparative Analysis of Scheduling Algorithms in *Cloud Computing Environment*. *Computing, Information Systems, Development Informatics & Allied Research Journal*. Vol. 11 No. 1: 53-66 (United States of America).
23. **Ayorinde I. T.** (2020). Programming and Operational Semantics. *Journal of Computer Science and Information Technology (JCSIT)*. (June, 2020. In Press). (United States of America)

#### Teaching Manuals

24. **Ayorinde I.T.** (2016). Management Information System. Lecture Note for University of Ibadan Distance Learning. (Nigeria)
25. **Ayorinde I.T.** (2016). Interaction Design. Lecture Note for University of Ibadan Distance Learning. (Nigeria)
26. **Ayorinde I.T.** (2019). Assembly Language Programming. Lecture Note for University of Ibadan Distance Learning. (Nigeria)