

## **From the Editor-in-Chief**

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Readers are welcome to this maiden edition of Volume 12 of *African Journal of Computing & ICT*.

Six (6) papers appear in the edition. The paper by Comfort Adeline Uno and Celebi Erbug examined the significance of computer-based test (CBT) vis-a-vis paper-based test (PBT). In the paper, questionnaires were distributed to instructors in the Faculties of Business Administrative Science and Engineering of Cyprus International University to obtain their perception on which of CBT and PBT they consider preferable. It was shown, among others, that most instructors prefer the CBT.

In their work, Victor Eshiet Ekong and Temitope Joel Fakiyesi studied the effectiveness of four artificial neural network models with respect to the prediction of air pollution levels in Nigerian urban metropolis. The models were Multilayer Perceptron Feed Forward (MLPFF), Radial Basis Function (RBF), Generalized Feedforward Network (GFFN) and Recurrent Neural Network (RNN), while the case study was Uyo city, the capital of Akwa Ibom State. The authors showed that MLPFF is the most effective in predicting air pollution levels.

The paper by S. L. Ayinla, A. T. Ajiboye, A. O. Yusuf, C. G. Dilibe and A. R. Ajayi focuses on the design, construction and performance testing of 3-axes accelerometer wireless sensor nodes useful in pipeline monitoring. It was shown that the designed node comply substantially with existing industrial standards.

The theme of the paper authored by Ibidapo O. Akinyemi, Adesola O. Anidu and Adefemi T. Adeniran dwells on a comparative analysis of Ayo game tournament as played using case-based probability distance (CPBD) clustering technique against Awale shareware. By playing six (6) games, it was shown that CPBD clustering is superior to Awale shareware.

The focus of the paper contributed by D. Aliu, E. A. Adedokun, M. B. Mu'azu and I. J. Umoh is on the development of a digital image watermarking scheme. This scheme uses a concatenation of three transforms, namely Discrete Orthonormal Stockwell Transform, Discrete Wavelet Transform and Singular Value Decomposition.

The sixth paper, but in no means the least, focuses on one of the most common and dangerous online database threats, namely SQL injection attack. Essentially, the authors presented a manual testing of SQL injection vulnerabilities in an online student database system using same channel strategy. Suggestions for automatic testing were also presented. The paper is authored by Mu'awuya Dalhatu, Aliyu Sani Ahmad and Moshood Abiola Hambali.

As is the practice in this journal, this is to acknowledge all authors, reviewers and editorial board members for their respective contributions towards the publication of this edition. Appreciation also goes to the readers and well-wishers of the journal.

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