

From the Editor-in-Chief

This is to welcome all the readers, authors and well-wishers of *African Journal of Computing & ICT* to Volume 11, Number 3, September 2018 edition. Six (6) regular papers appear in this edition.

The paper by A. Nicki Washington presents a critical survey on the use of drones (a special class of unmanned aerial vehicles (UAV)) to solve specific problems of the African continent. The application relates to areas such as healthcare, agriculture, archaeology, wild life monitoring and reduction in the incidence of genocide.

The importance of a good website for academic libraries is underscored by the paper by Fasola P. Abifarin and Shaka A. Imavah. An academic library is a library which serves the needs of a higher educational institution, and is usually domiciled in that institution. In the paper, the authors carried out a performance evaluation of sixteen (16) selected academic library websites in Nigeria based on web design elements such as availability of navigation tools, font styles, availability of search tool etc. It was discovered that none of the academic library websites possess all the basic requirements.

The development of a web-based collaborative tool for effective distributed learning in a university environment is the theme of the paper by Adeyinka Adedoyin, Onungwe J. Obariobe, A. S. Sanni and Aduragba Tahir. In the paper, the authors presented a framework for using collaboration tools like yahoo groups, google groups and WhatsApp, irrespective of the email address of the user. This is an improvement on the present phenomenon in which, for instance, a user can only make use of a yahoo group if he/she has a yahoo email address.

In their paper, Tinuke Omolewa Oladele, Olajide O. Adeola and Jadesola Adejoke Emmanuel presented an improved semi-global sequence alignment algorithm for intrusion-detection system. It was shown, among others, that there is an increase in hit rate and decrease in false positive rate when compared to an existing semi-global alignment algorithm.

The focus of the paper by M. C. Nwafor, C. C. Okezie and A.C.O. Azubogu is the development of a multi-layered security architecture for enterprise resource planning (ERP) system. This paper is useful for mission critical applications. The system uses two levels of security, namely normal password (encrypt cipher algorithm) and one-time password (OTP) thereby boosting the reliability of the ERP system.

The last, but certainly not the least, regular paper is on biomedical engineering. The paper focuses on the suppression of noise encountered during the acquisition of electrocardiogram (ECG), a phenomenon called electromyography (EMG) noise. An electrocardiogram (ECG) waveform is a graphical presentation of the heart activity over time. The paper, authored by

Abdul Rasak Zubair, Yusuf Kola Ahmed and Kareem Adeyemi Akande, has important application in the diagnosis of heart diseases. It eliminates the effect of noise which has the tendency to affect accuracy in the analysis and diagnosis of diseases.

Apart from the six regular papers, this edition also features special tributes paid to two distinguished American scientists, who, in their lifetime, provided direct and indirect support to this journal, *African Journal of Computing & ICT*. These scholars are John William McKee (1926 – 2009) of Santa Barbara, California and Charles Clifton (‘Cliff’) Chancey (1955 – 2013) of Iowa, USA. The tributes highlight the roles which they respectively paid with respect to the establishment and sustenance of the journal.

I wish all readers a happy reading. We will always welcome comments and suggestions towards improving the quality of the journal.

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