

## **EDITOR-IN-CHIEF'S INTRODUCTION**

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When the first edition of *African Journal of Computing and ICT* (i.e Vol.1,No.1) was published in June 2008, it was with the aim of contributing to scholarship in Africa via the dissemination of topical and relevant research papers within the field of computing and allied areas. It is gladdening to note that the journal has been receiving tremendous response from potential authors from Africa and abroad which tend to justify its establishment. Although detailed guide to authors(as well as to subscribers and advertisers) is provided in the inner back cover, the journal house policy would be subject to review from time to time to accommodate local peculiarities, though a high level of standard would always be maintained. For instance, in lieu of the publication charge of NGN9,500, an author may be required to pay an assessment fee of NGN3,000 before the reviewers' comments are sent, and a balance of NGN6,500 if/when his paper is eventually accepted. Also, if a review paper is submitted, then it must be particularly significant, topical and be written in a captivating style. The paper should not merely be a summary but should, among others, point out the way forward. The journal would be interested in publishing results of masters and doctorate studies/theses. As much as possible, the supervisor(s) and/or examiner(s) of the project/thesis would be

required to be at least one of the reviewers. Such a paper would be indicated by the phrase 'Thesis Communication' on its first page. Rejoinders on any paper in the journal would always be welcome and published. In this edition, five papers are published. The first paper by the duo of Pofessor Adedeji Badru and Professor O. Ibidapo-Obe presents an insightful discourse on the importance and relevance of set theory to systems science and engineering integration. The paper is entitled 'On Set-Theoretic Fundamentals of Systems Integration'. In 'Computational Analysis of GSM Security Algorithm', the authors, O.C.Abikoye and Dr. 'Dele Oluwade studied the computational complexity of a combined user authentication and encryption key generation GSM algorithm and showed that the time complexity of the algorithm is constant. This paper is part of the Master in Computer Science thesis of the first author written under the supervision of the second author. The paper by Dr. Ezekiel Okike and Professor Adenike Osofisan is on software engineering measurement whereby the authors evaluated the lack of cohesion in method(LCOM) metric due to Chidamber and Kemerer. The paper contributed by Oluyemisi Ajibose and Dr.'Dele Oluwade presents a comparative examination of the fixed (wired and wireless) cellular network and GSM

telecommunication, especially in view of the tremendous recent growth of the latter in Africa. This paper is part of the Master in Computer Science thesis of the first author written under the supervision of the second author. The last paper is on discrete structures with focus on semigroups. In the paper, the authors A.O. Adeniji and Dr. S.O. Mekanjuola presented some results on collapse and

properties of height in full transformation semigroups.

The journal is grateful to the following intellectuals who assisted in reviewing submitted papers: Kunle Adegoke (Dr), R.A. Siyanbola (Dr), Amos David (Professor), Kazeem Gbolagade, Natawo Y. Goshwe (Engr), Oluwole Makinde (Professor), Wole Olatokun (Dr), Dele Oluwade (Dr), Olufade F.W. Onifade, Oliver Osuagwu (Professor) and Seyitan Osunade(Engr).