

Editorial Note

With this issue, Iranian Journal of Electrical and Computer Engineering (IJECE) starts the third year of its publication. A brief look at its records shows a moderate increase both in the number of submitted articles and the number of published papers during the first two years of IJECE life. Simultaneously, both the review period and the waiting time for publication of the papers are shortened. While such flourishing welcomes by potential authors and overwhelming responses to our review invitation by distinguished experts from both academia and industry, in providing peer review services for the submitted papers, are extremely privileged signs of successful achievements, still there are other aspects of activities which IJECE editorial board would like to witness a rather rapid progress.

IJECE as any other technical journal wishes to broaden its audiences within the associated community as a scientific forum. Recently, we have concentrated on this issue with more concerns, especially looking for the suitable schemes which may result in such attainments. To prepare an action plan in this regards and pursue the plan effectively, there are several requirements which need to be addressed and fulfilled at least partially in the elementary stages. One of the major obstacles for several schemes is the lack of the required funds. IJECE has a limited budget which almost matches the costs for its ordinary regular publication and office management. This normally means the lack of funds for others plans.

Fortunately, our efforts are partially paid off recently. With the allocation of a part of IJECE budget which is planned to be raised from the funds supplied by our sponsors, it is now possible to implement a couple of those schemes which mainly are profitable to the potential readers in academia. The first package is called *Complimentary Subscription for University Libraries in Developing Countries (CSULDC)*. In this package as the title suggests, IJECE presents a free subscription for a period of four years (2002-2005) to university libraries in developing countries. This subscription is only for one sample of each issue and the number of subscription is limited to two hundreds. Therefore, only the first 200 requests from university libraries in developing countries will be eligible to be benefited from this package. For such subscription, all we need is a formal letter from the head of university library or other administrative personnel who are responsible for such correspondences enclosed to a filled subscription form. The form is available both in this issue and at the IJECE website (<http://www.ijece.org/E-Subscription.pdf>). To provide a better chance for overseas universities to be profited from this opportunity, Iranian universities may not use such services.

The second package called *Subsidized Subscription for University Libraries (SSUL)* is available to all university libraries worldwide. In this package any university library is eligible for a four year (2002-2005) subscription while only pays one year subscription fee. Again, this subscription is only for one sample of each issue and the number of subscriptions is limited to two hundreds. The

procedure is similar to that of the previous scheme with only one difference. For such subscription IJECE should also receive the one year subscription fee, the payment process is explained in the subscription form.

It is hoped that potential interested readers, especially in developing countries, take the benefits of these prospects by urging libraries to apply for subscription through such packages. As mentioned earlier the number of subscriptions in these packages are strictly limited and the first come first served rule will be applied.

Returning to the current issue, twelve papers are presented to our readers. A *Special Section on Power Systems* is organized in this issue which includes five articles. The first paper by Litipu *et al.* reports the derivation of three transient models for analysis and simulation of wind power turbine. In the next article, Anatory *et al.* discusses the analysis of powerline channel model for communication from primary substation which mainly concerns data communications in developing countries. The third paper presented by Al-Mawsawi *et al.* deals with a different approach of controlling the power flow in AC transmission lines using STATCOM. Later, current response of insulation systems based on the behavior of ReMica material during accelerated thermal stress is addressed by Cimbala *et al.* in the fourth article. Finally, a paper contributed by Nithiyanthan and Ramachandran which deals with the multi-area power system load flow monitoring based on remote method invocation concludes the special section.

The regular papers section of this issue includes seven papers. An article by Ng *et al.* addresses the staff workload scheduling task in large engineering schools, a trival task faced by many peoples in academia. In the next paper, Mehrany and Rashidian investigate the problem of polarization insensitive gratings in slab structure and report the analysis of electromagnetic wave interaction with a media containing periodic changes of both relative electric permittivity, and relative magnetic permeability. Then, a novel fractional guard channel policy is discussed in a paper by Beigy and Meybodi, which may be of interest for peoples in both communications and computer engineering. In the fourth paper of this section, Ali *et al.* present another usage of signal processing in biomedical engineering. Later, Stasiak and her coauthors in their article reports the use of PCA method in reduction of measurement dimensionality in 3D Impedance tomography. The sixth paper by Negm and Bassiuny deals with the application of model reference adaptive system for control enhancement in CNC machines. Finally, this issue is concluded by a paper which presents regulating strategies for the control of a rigid body model contributed by Rehman.

Pleasant Reading,

H. Seifi
Associate Editor

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Editor-in-Chief