

**Contents**

Editorial

i

**Research**

Improvement of Stepping Motors Dynamic Behaviour Using Multilevel Dual Power  
Electronic Processor -  
Walid Emar, Musbah J. Aqel

41

Feasibility And Viability Analysis Of Enhancement Of Mobile Spectrums  
(With Special Reference to 2G, 3G, 4G and Proposed 5G) -  
Shrey Kumar, Gurendra Nath Bhardwaj

58

**Book Review**

66

**Conference Notification**

67

- Fourth International Conference on Future Generation Communication Technologies  
(FGCT 2015)
- First International Conference on Data and Communication for Science, Technology and Society  
ICDCST 2015)
  - Tenth International Conference on Digital Information Management  
(ICDIM 2015)

## **Editorial**

We now bring the new issue of the Journal of Electronic Systems.

In the opening paper on "**Improvement of Stepping Motors Dynamic Behaviour Using Multilevel Dual Power Electronic Processor**" the authors *Walid Emar* and *Musbah J. Aqel* have presented a new topology of drive circuitry for variable reluctance stepping motors. The authors have developed a new circuitry for digital systems and they believe that the newly proposed design would enable the designers of computer motherboards and renewable energy systems. They are further confident that the performance and efficiency of variable reluctance stepper motors may be remarkably increased.

In the next paper on "**Feasibility And Viability Analysis Of Enhancement Of Mobile Spectrums**" the authors *Shrey Kumar* and *Gurendra Nath Bhardwaj* have discussed the enhancement of mobile spectrum from 2G to 3G, 4G and beyond. The authors have tried to study the mobile feasibility of spectrum enhancement from multi dimensional aspects. The study will also focus on present and future challenges of this sector.

The two papers mark technical elegance and orientation to the ongoing research.

## **Editors**