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## Editorial

Networking is increasingly becoming the core area of research in Computing and the studies on it thrive hard to document innovativeness.

In the recent times, Neural networks have proved to lend many applications in networking domain. *Semra İçer, Ayşegül Güven* and *Muhammet Baki* in their paper on ‘Classification with the Neural Network Application of Basic Hearing Losses Determined by Audiometric Measuring’ have used artificial neural networking as an expert system to improve to classify of these hearing losses. The authors have found that the air and bone path audiograms belong to conductive, sensori-neural and mixed hearing losses. Another similar interesting application of Artificial Neural Network was proposed by *Ayşegül Güven, Fatma Latifoğlu* and *Hayriye Hisar* who used the combination of Principal Component Analysis and Neural Network Methodology for Parkinson Disease Detection. Their improved method is found to ensure a high degree of accuracy and accessibility.

Thus, the Neural network applications found to be quite significant in the sense that the performance of trial as well as full scale experiments lead to expand the scope and scalability to biomedical applications.

The multi-server environment can solve the different data hosting and diffusion issues. However, the current Mobile data synchronization protocols as *Jugeon Pak, SungHyun Im* and *Keehyun Park* visualize, do not support the multi-servers. They constructed the multi-server data synchronization in the proposed paper and provide a simulated JADE platform. The results documented that the inter-server DS system performs much better than the existing DS system in multi-server environments. Particle Swarm Optimization now used to find optimal or near to optimal solutions to numerical and qualitative problems. *Snehal Kamalapur, Varsha Patil* and *Shirish Sane* have deployed two variants of Particle Swarm Optimization for the maximization and minimization unconstrained problems.

Data models do not reflect the dynamic data nature in the current world as *Toshio Kodama, Toshiyasu L. Kunii* and *Yoichi Seki* observe. They propose mathematical background called as ‘Incrementally Modular Abstraction Hierarchy’ to model such information worlds and real worlds. They have tested the mechanism for which they designed spaces and maps on each level of IMAH by means of Formula Expression. They have advocated Cellular Data System and verified the application in the information management systems.

This issue thus publishes some quite different papers which focus scalability of new models and applications in the networking world.

## Editors