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• The Eighth International Conference on Digital Information Management (ICDIM 2013)

Editorial

To build and support the Internet Communication, Optical Burst Switching becomes a central component. Burst retransmission is a reactive loss recovery mechanism, Salek Riadi and Abdelilah Maach view in their paper on 'An Efficient Hybrid Burst Retransmission and Burst Cloning Scheme Over Star OBS Networks'. They proposed a hybrid scheme for star OBS networks that aims to control the extra load due to the both loss recovery mechanisms. The results they obtained show that their hybrid scheme can achieve better overall network performance than both burst retransmission scheme and burst cloning scheme.

Scalability of routing protocols used in WSNs is addressed by Ali A.S. Ihbeel and Hasein Issa Sigiuk in their paper on 'Evaluation of AODV, DSR and DSDV Routing Protocols for Static WSNs: A Simulation Study'. Their performance study focuses on the impact of the network size, network density, number of sources (data connections), and the type of generated traffic model.

Aziz El Janati El Idrissi, Noureddine Zahid and Mohamed Jedra in their paper on 'Optimized DTC by Genetic Speed Controller and Inverter Based Neural Networks SVM for PMSM' have studied the optimized speed controller for permanent magnet synchronous motor. Simulation results they have conducted showed that the proposed controller provides high-performance dynamic characteristics and is robust with regard to plant parameter variations.

Mohamed Fathey Abo Sree, Esam A.A.A Hagras, Mohamed S. El-Mahallawy and Mohamed Aboul El-Dahab in the paper on 'IDMA System Based on Permutation Polynomial Interleaver over Integer Rings' proposed an algorithm for a user specific interleaver in IDMA. They We compared the proposed PPI with recent interleaver designs such as Random, Tree and Prime Interleaver.

The papers published in this issue represent high technical improvement in the domain of electronic devices.

Editors

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