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Editorial

We welcome the readers to the second volume of the Progress in Signals and Telecommunication Engineering.

In the opening paper, the authors *Ihsen BEN MBAREK, Dhia BELHAJALI1, Mohamed MAZOUZI, Salem HASNAOUI* and *Khaled JALASSI* have presented a design and an implementation of a hardware scheduler in VHDL for High-Speed VoQ using a modified i-SLIP algorithm. This technology-rich paper on Network on Chip Scheduling Modified i-SLIP Scheduler for High-Speed Virtual Output Queuing Packets have produced effective results with Simple implementation in hardware and ensure fair and starvation free, with throughput about 100%.

The Transmission Control Protocol now faces the problems of memory and energy constraints. The author *Ahmed Ayadi* in his paper on "TCP Delayed Acknowledgment Techniques for Low-power Multi-hop Wireless Networks" has surveyed the TCP variants and proposed energy saving mechanism for TCP.

Due to the limitations of Gaussian approximation, the influence of utilizing the distribution of multi-antenna interference (MAI) on the graph-based soft iterative receiver is studied by *Abdullah A. Saed* in his paper on "Employing the Distribution of Interference to Improve Graph-Based Receiver". The author did extensive analysis after a description of the method and presented the Monte-Carlo simulation results. He argued that the proposed method is applicable with any kind of GSIR with arbitrary modulation and channel coding schemes.

Mohamed Aissa and *Abdelfettah Belghith* in their paper on "An Efficient Scalable Weighted Clustering Algorithm for Mobile Ad Hoc Networks" proposed a new strategy for clustering a wireless AD HOC network and improvements in Weighed Cluster Algorithm. They claimed that that their algorithm outperforms the Weighted Clustering Algorithm (WCA) in terms of cluster formation and stability. They maintained a balance between the uniformity of the load handled by the clusterheads and the connectivity of the network.

Hope the papers are incremental in telecommunication and signals research.

Editors