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## Editorial

We are pleased to present the first issue of the third volume of the **Signals and Telecommunication Journal**.

Finding the optimal secondary transmission power in Un-Slotted Cognitive Radio Network is a crucial issue. To overcome this problem the authors *Marwa Ali, Ahmed Ahmedin, Ahmed Sultan* and *Mohammed Nafie* in their paper on **Power and Transmission Duration Control in Un-Slotted Cognitive Radio Network** have developed the system which can maximize a weighted sum of the primary and secondary throughput where the weight is determined by the degree of protection and the minimum rate required by the primary terminals.

For the implementation of telephony system *Lawen Ahmed Mohammed* has proposed an analytical method for determining basic traffic characteristics of systems servicing multi-rate overflow traffic streams generated by a finite number of sources. Through the paper on **Modelling of Telephony Systems with Finite Number of Resources**, the author has developed the system that helped the improving the faculty system since it finds the agreeable GoS to optimize the number of cables, in order to obtain the maximum traffic intensity.

Mobile phone text messaging system can enable the GPS based tracking which help to locate the place and speed of a vehicle. *Ousmane Abdoulaye Oumar, M. A.Al Rashed* and *Damanjit Singh* in their paper on **Tracking system based on GSM Mobile Phone using a Realtime GSM/GPS** developed a system which can able to track the position and speed of the subject of interest that is equipped with GPS and GSM devices.

In the last paper on **Sparse Adaptive Channel Estimation Based on Discrete Fourier Transform**, the authors *Ge Tao, Yang Shouyi* and *Zhang Aihua* have proposed a novel sparse adaptive channel estimation algorithm based on discrete Fourier transform (DFT).

The papers in this issue hope to generate and stimulate interest in the outlined themes.

## Editors