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- The First International Conference on Future Generation Communication Technologies (FGCT 2012)
- The Eighth International Conference on Digital Information Management (ICDIM 2013)

Editorial

The non-linear models stimulate the dynamics of real aircrafts. These models are novice and can create controller designs for the newer aircrafts. Realizing the significance, the author *Ali Mohamed Elmelhi* in his paper on “The Influence of Moment of Inertia-Based on Flight Nonlinear Simulation” designed the suitable model for a desired nominal angle of attack trajectory. Simulation results gained by the author show the efficiency of the nonlinear fuzzy models.

Many researchers have been working to maximize the network throughput in multi-channel multi-radio wireless mesh networks. To build up the multi-channel multi-radio wireless mesh networking models, research efforts create innovative architecture, where each mesh node has both static and dynamic interfaces. *Tarik Mountassir, Bouchaib Nassereddine, Abdelkrim Haqiq* and *Samir Bennani* have developed an Optimization Model for Relays Placement in Mutli-Radio Multi-Channel Wireless Mesh Networks. Their multi-objective optimization approach has provided solutions for relays placement problem.

The hardware implementation LDPC decoders rely on hardware efficiency. *Abdessalam Ait Madi, Ali Ahaitouf* and *Anas Mansouri* have provided a high level approach for Design, Simulation and Hardware implementation of Min-Sum LDPC Decoders. The units for LDPC codes they have used are the Very High Speed integrated circuits Hardware Description Language.

Optimization ensures high performance of Wireless Sensor Networks Deployment. *Abderrazak Daoudi, Youssef Kerfi, Imade Benelallam* and *El Houssine Bouyakhf* in their paper have provided new algorithm methods based on the paradigm of constraint optimization problem (COP) for solving them optimally. For the sensors placement, the authors have obtained multi-objective optimization problem consisting in the maximization of the number of sensors that monitor each point of the target area. Their experimental results ensure better optimization.

This issue is marked by the presence of enhancement of technical features of the designs and models proposed.

Editors