
Editorial

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Of late, intelligent systems have become integral parts of communication and computational systems. These have enabled the design of self-sustaining mechanisms as part of communication and computational systems. The end results are significant contributions to the growth of such frameworks and improved performances. The aim of the special issue is to highlight some of the research contributions of continuing and upcoming workers in emerging areas of communication and computation systems. The content primarily covers intelligent system design, emerging communication and computing systems, soft-computational applications in communication and emerging networks, etc. The response given to the issue was considerable. As per the regulation of Inderscience journals, all submissions were passed through multiple mandatory peer reviews to ensure publication of quality work. This resulted in the selection of the papers included in this issue.

Yang et al. in the work titled 'Algorithm research for capacity-constrained stochastic traffic assignment model' highlighted incremental load algorithm and successive equilibrium algorithm to solve the stochastic capacity-constrained traffic assignment model on the base of combining the Fisk's logit assignment optimal theory and Wardrop's optimisation principals.

The work 'RC5 implementation in ARM platform for cryptographic applications' by Bevi et al. establishes that the code size and the execution time should be adapted in power constraint applications.

The suitability of contention parameters that influence the heterogeneous network performance has been investigated with cooperative contention-based bandwidth request (BR) scheme by Anbazhagan and Rangaswamy. Similarly, Amgoth and Jana discussed about energy efficient and load balanced clustering algorithms for wireless sensor networks.

A classification-based summarisation (CBS) model for summarising text documents has been reported by Esther Hannah and Mukherjee. The design of an advanced low complexity, fast converging variable tap-length (VT) learning algorithm for stereophonic acoustic echo cancellation (SAEC) based on multiple sub-filters (MSF) approach is described by Kar and Chandra. A novel approach for design of a speech enhancement system using auto-trained NLMS adaptive filter has been presented by Goswami et al.

An innovative method to eliminate both flat and frequency-selective fading effects in a suburban and urban Rayleigh environment respectively, in different multi antenna set-ups by dynamically varying the signal-to-noise ratio (SNR), the transmitter gain and the effective aperture of the transmitting antenna has been reported by Kashyap and Sarma. Zerari reported a work which deals with the application of artificial immune

systems (AIS) to business process applications making business processes capable to be adaptive to changes in environments.

A trusted security architecture for cloud identity management that can dynamically federate user identities is reported by Dhatchayani and Sriram. The trust architecture proposed use Bayesian Inference and Roulette Wheel selection technique to evaluate trust scores.

Ihamäki reported an approach to identify the central drivers in computer-mediated communication of social user experience and online social activity related to WikiLeaks. A method to deal with detecting and isolating the selfishness of nodes in MANETs have been reported by Sengathir and Manoharan.

The papers constituting the special issue are expected to be important additions to intelligent computation and communication system design. The undersigned is thankful to the Editor-in-Chief, *IJCT*, managers and other officials of Inderscience coordinating the effort. The team work was flawless and establishes the efficiency of Inderscience as a leading publisher of academic and scientific works.