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EDITORIAL

Special issue on International Conference on Computing, Communication and Sensor Networks (CCSN 2015) held in, Kolkata, India, Dec 24–25, 2015

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The tremendous progress in the theory and consequent product development in the fields of computing, communication and sensor networks (CCSN) led to the organization of International Conference CCSN 2015 at Kolkata, the city of Joy in India on 24th and 25th December, 2015. There were total about 70 papers presented on 2 days on the conference, out of which 28 papers were selected as an extended version (at least 40% as new content and contribution with respect to its conference version) submission in the MST Journal, Springer. The extended version of the selected papers were then uploaded by the corresponding author of each one to the journal through the editorial manager portal. Each paper was then assigned to two–three domain experts of the respective research fields across the globe for review. Some of them have been accepted for publications, few are rejected after peer review while few are still in review process for second round review, may be appeared in other issue upon acceptance. The August issue of MST journal includes three accepted papers from CCSN 2015.

The first paper was "Performance evaluation of tree based data aggregation for real time indoor environment monitoring using wireless sensor network" by Anindita Ray and Debashis De. The paper proposes an efficient solution to the reduction in packet loss through a tree based data aggregation on wireless sensor networks working with limited bandwidth and finite energy nodes. The work reported shows improved performance in terms of end-to-end delay, packet delivery ratio and total energy consumption over the existing works.

The second paper was "CS Reconstruction in MIMO Channelusing Square Complex Orthogonal STB Codes" by Ankita Pramanik and Santi P. Maity. The paper proposes an integrated system design for quality improvement on compressed sensing image reconstruction over radio mobile channel modeled as Rayleigh flat fading. The design of a non-zero-entry single symbol decodable square complex orthogonal, space time block codes (STBC) for 16 antennas is proposed.

The third paper develops a practical system design entitled "Real-time monitoring of vehicle's movement and damage avoidance cum repair system using web service negotiation" authored by S. S. Thakur and J. K. Sing as an anti-collision system to avoid vehicular head to back collision which are running under heavy traffic conditions.

On behalf of the organizing and program committee of the conferences we would like to thank the authority of MST, Springer to provide us opportunity to work as editor of the special issue. Also thanks to all reviewers of the articles for their esteem effort and time to uphold the spirit of the special issue of the Springer Microsystem Technology Journal. We hope the articles will be useful to the research community.

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