EDITORIAL

Preface

Jyotsna Kumar Mandal[1]

Second International Conference on Computational Intelligence, Communications, and Business Analytics (CICBA–2018) has been organized by the Kalyani Government Engineering College Kalyani, India. The conference had covered all aspects of Computational Intelligence, Communications and Business Analytics in computer science and engineering, general science, educational research and management science.

I have a great pleasure in presenting this special issue of Microsystem Technologies (MST), Springer (SCI). The name of the special issue is Computational Intelligence, Communications 2018.

Fifteen good articles out of presented papers were selected from CICBA 2018 and extended version of the papers were uploaded into the Microsystem Technologies (SCI indexed). Six papers are accepted and published in this special issue. These articles are on cloudlets-based resource management for IoT, FPGA implementation of software defined radio, Energy efficient routing, load balancing in routing, sub-micron high electron mobility transistor and low power full adder design.

On behalf of organization committee and as Guest Editor I would like to thanks to all the reviewers for their comments and expert advice. Thanks to the contributors to this special issue for submitting revised manuscripts to meet the comments / suggestions of the referees and responding to meet all the requirements of the journal.

My special thanks to Prof. Bernd Michel for his encouragement, help and guidance. I also wish to express my sincere gratitude to Dr. Bharat Bhushan, Dr. Michael Maskos and the members of the Editorial Office of the journal for their assistance in preparation and publication of this special issue.

It is hoped that this special issue will be a good reference material in the domain of micro and nano-electronic technologies for researchers and engineers.

Guest editors

Prof. (Dr.) Jyotsna Kumar Mandal, University of Kalyani, India

Service aware resource management into cloudlets for data offloading towards IoT

FPGA implementation of high performance digital down converter for software defined radio

CUWSN: energy efficient routing protocol selection for cluster based underwater wireless sensor network

An efficient load balanced stable multi-path routing for mobile ad-hoc network

Effect of material composition on noise performance of sub-micron high electron mobility transistor

Signal aware energy efficient approach for low power full adder design with adiabatic logic

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