Editorial

Jyotsna Kumar Mandal*

Department of Computer Science and Engineering,
University of Kalyani,
Kalyani, West Bengal, 741235, India
Email: jkm.cse@gmail.com
*Corresponding author

Paramartha Dutta

Department of Computer and System Sciences,
Visva-Bharati,
Santiniketan, Bolpur, 731235, India
Email: paramartha.dutta@gmail.com

Somnath Mukhopadhyay

Department of IT and Systems,
Calcutta Business School,
Assam University Silchar,
Bishnupur, Kolkata, 743 503, India
Email: som.cse@live.com

Biographical notes: Jyotsna Kumar Mandal received his MTech in CS, CU, PhD (Engineering), KU, Professor of CSE, former Dean, FETM, KU Chairman, CIRM, Fellow of IETE, 24 PhD degrees awarded, published 450 research articles, 190 articles in international journals, 12 books. Organised 50 international conferences and corresponding editors of edited volumes of Springer, IEEE and Elsevier etc. He received 'Siksha Ratna' award from Higher Education, Government of West Bengal, Vidyasagar award from International Society for Science Technology and Management, Chapter Patron Award, CSI Kolkata Chapter, 'Bharat Jyoti Award' from IIFS, A.M. Bose and Kali Prasanna Dasgupta Memorial Award from JU.

Paramartha Dutta FIET(UK), FIETE,FIE(I), FOSI, FIBE is currently a Professor of Computer Science of Visva Bharati University, Santiniketan, West Bengal, India. He has more than two hundred and fifty publications in peer reviewed journals, conference proceedings, book chapters in addition to around fifty authored and edited books published by leading international publishing houses to his credit. Among many, he is the award recipient of several agencies of Government of India such as 1) Excellence in Science and Technology Award in 2018 conferred by Indian Science Congress Association; 2) Teacher Award in 2019 conferred by Indian National Science Academy.

Somnath Mukhopadhyay is currently an Assistant Professor at Department of Computer Science and Engineering, Assam University, Silchar, India. He completed his MTech and PhD in Computer Science and Engineering at the University of Kalyani, India in 2011 and 2015, respectively. He has

co-authored one book and has ten edited books to his credit. He has published over 30 papers in various international journals and conference proceedings, as well as six chapters in edited volumes. His research interests include digital image processing, computational intelligence and hyper spectral imaging. He is a member of ACM; life member of the Computer Society of India; and currently the regional student coordinator (RSC) of Region II, Computer Society of India.

Computational intelligence has been able to establish its merit in different walks of life in present-day human civilisation. In recent days, we witness real-life applications of computational intelligence becoming all-pervading day by day. In the course of the history of human society, the transition from 'automation' to 'intelligence' as observed in various applications is not only undeniable but inevitable too. In this backdrop, considering the ever-increasing importance, we feel it imperative to invite the latest research ideas and findings in theories and applications, encompassing intelligence in computational initiative. The endeavour in favour of encouraging submissions in the special issue of 'advances in computational intelligence' is aimed towards this.

The accepted papers for this special issue range from 'Machine transliteration using SVM and HMM', 'SPIDER-based out-of-order execution scheme for Ht-MPSOC', 'An efficient pattern matching approach using double measures of correlation and rank reduction', '*Modified FPred-Apriori*: improving function prediction of target proteins from essential neighbours by finding their association with relevant functional groups using Apriori algorithm', 'A new image binarisation technique for segmentation of text from digital images', and 'Metaheuristics-based routing optimisation, balanced workload distribution and security strategy in IoT environment'.

Given the submissions in terms of quality and technical standard, we feel privileged to coordinate the authors' submissions. Our sense of gratitude is that we want to avail the opportunity to express that in the present scope. As editors, we feel our self extremely fortunate to have received such meritorious contributions. Such an endeavour for bringing out the latest technical findings of the learned authors would have never been possible but for the support, technically and administratively, available from Inderscience as publishing partner in general and *International Journal of Advanced Intelligence Paradigms*, in particular. We sincerely hope that our collaboration with them will persist and become stronger in the days ahead.