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His current research interest lies in Natural Computing that spans across Evolutionary algorithms, Memetic computing, Robust & Complex Optimization, Informatics, and Grid computing. He is 1) editor-in-chief of Memetic Computing Journal 2) Chief editor of Book Series on Studies in Adaptation, Learning, and Optimization, 3) associate editor of IEEE Computational Intelligence Magazine, 4) associate editor of IEEE Transactions on Systems, Man and

Cybernetics - Part B, 5) member of editorial board in (i) Soft Computing Journal, (ii) International Journal of Computational Intelligence, 6) guest editor of i) IEEE Transactions on Evolutionary Computation, ii) IEEE Transactions on Systems, Man and Cybernetics - Part B, iii) Journal of genetic Programming and Evolvable Machine and iv) Soft Computing Journal. Besides serving as editors of special issues dedicating to research on Memetic Computing, and Evolutionary Computation in Dynamic and Uncertain Environments in high-quality journals, he has also co-edited volumes on Advances in Natural Computation, and Evolutionary Computation published by Springer Verlag. He is also Chair of the Task Force on Memetic Algorithms in the IEEE Computational Intelligence Society Emergent Technology Technical Committee since 2006, chair of IEEE Chapter on Computational Intelligence, Singapore and Vice-Chair for Asia/Pacific/Australia, IEEE Computational Intelligence Society Emergent Technology Technical Committee.

He has coauthored over 90 refereed publications comprising of 35 refereed journals, 58 refereed conference papers and 5 book chapters, excluding 5 edited books, 3 edited special issues and 2 patents filed. His research grants in the last five years amounts to a total of more than two million Singapore dollars. These comprises of external research funding from both national and international partners that includes National Grid Office-A*STAR, Singapore National Research Foundation, Singapore Technologies Dynamics, Boeing Phantom Works, Rolls-Royce ATC, Honda Research Institute Europe (Germany), Sun Microsystems Inc. and Visa International.