
Editorial

R. Varatharajan*

Electronics and Communication Engineering,
Sri Ramanujar Engineering College, Chennai 600126, India
and
Electronics and Communication Engineering,
Sri Lakshmi Ammal Engineering College,
Chennai 600126, India
Email: varathu21@yahoo.com
*Corresponding author

Jer Lang Hong

School of Computing and Information Technology,
Taylors University,
Selangor Darul Ehsan 47500, Malaysia
Email: jerlanghong@hotmail.com

I. Hameem Shanavas

Electronics and Communication Engineering,
M.V.J. College of Engineering,
Bangalore 560067, India
Email: hameemshan@gmail.com

Biographical notes: R. Varatharajan received his BE, ME and PhD degrees in Electronics and Communication Engineering from Anna University and Bharath University, India. He is the Associate Editor for *Computers and Electrical Engineering*, Elsevier and *Journal of Medical Imaging and Health Informatics*, American Scientific Publishers. He is a Guest Editor for *Sustainable Computing*, *Cluster Computing*, *Ambient Intelligent and Humanized Computing* and he is acting as a leading guest editor for more than 10 SCI indexed journals. His main area of research activity is medical image processing, wireless networks, network security and green engineering. He has served as a reviewer for Springer, Inderscience and Elsevier journals. He has published many research articles in refereed journals like Elsevier and Springer. He is a member of IEEE, IACSIT, IAENG, SCIEI and ISTE wireless research group. He has been serving as organising chair and program chair of several International conferences and in the Program Committees of several international conferences. Currently, he is working as an Associate Professor in the Department of Electronics and Communication Engineering at Sri Ramanujar Engineering College, Chennai, India.

Jer Lang Hong obtained his PhD Information Technology, Monash University, Malaysia (2010) and BSc (Hons) degree in Computer Science from Nottingham University in UK (2005). Since 2010, he has been an Associate Professor at School of Communication, Computing and Information technology. His main research interests include mobile web browsing, cognitive networks and

information retrieval. He has worked as a principle investigator for Online Mobile Payment Solutions (Biopay), Apple iPad (Future PAD) and many projects. He has served as steering and technical program committees member for numerous IEEE international conferences.

I. Hameem Shanavas is an Associate Professor at the Department of ECE, M.V.J. College of Engineering, Bangalore, India. He has completed his Bachelor degree in Electronics and Communication (2006), Masters in VLSI Design (2008), Masters in Business Administration (2009) and PhD from Anna University, Chennai, India. He worked for various institutions in electronics and communication department around many states in India. He has published 35 journals and attended 30 conferences in national and international level. He is in editorial committee of many international journals and reviewer for many journals like *IEEE Transactions*, *Science Direct*, etc. He is the member of Professional bodies like ISECE, IACSIT, IAEng, AASRC, ISTE, UACEE, IRED. His research areas are VLSI physical design and testing, low power, DSP Implementations and CAD algorithms.

It is our pleasure to serve as guest editors of this special issue on green mobile computing for energy efficient next generation wireless communication of *International Journal of Advanced Intelligent Paradigms (IJAIP)*.

Green mobile computing is a key enabling technology for large-scale distributed applications, such as smart phone, mobile internet, mobile game and mobile multimedia, mobile internet of things (IoTs), mobile sensor cloud, and mobile machine to machine communications. Green mobile computing, with the aim of reducing energy costs and CO₂ emissions, as well as protecting the environment, is becoming a potential research focus for many next-generation communications and networks' designers.

This special issue aims to bring, for academics as well as industrial practitioners, a set of articles discussing the recent patents on core topics of green mobile computing technologies, including wireless networks and computing including algorithms, modelling, technology, and application and so on. There are 86 submissions of this special issue, we feature 12 selected papers with high quality for part 2.

Acknowledgements

The guest editors are thankful to our reviewers for their effort in reviewing the manuscripts. We also thank the Editor-in-Chief, Prof. Dr. Valentina Balas for her supportive guidance during the entire process.