

---

## Editorial

---

### M. Murugappan

School of Mechatronic Engineering,  
Universiti Malaysia Perlis,  
02600, Campus Ulu Pauh, Arau, Perlis, Malaysia  
Fax: +604-9885167  
E-mail: murugappan@unimap.edu.my

**Biographical notes:** M. Murugappan received his BE in Electrical Electronics and ME in Applied Electronics from Anna University, India and PhD in Mechatronic Engineering from Universiti Malaysia Perlis, Malaysia. He is currently with the School of Mechatronic Engineering, Universiti Malaysia Perlis, Malaysia as a Senior Lecturer. He has been working in the fields of bio-signal processing applications for the past five years and, has been cited as an expert in *Who is Who* in the world in the year of 2010. He has received a several research awards, medals and certificates on excellent publications and research products. He has published more than 30 international peer reviewed journals, 40 international conferences, and four book chapters. His current fields of interest are in affective computing, brain computer interface (BCI), and human computer interaction (HCI).

---

It is a great honour and privilege for me to edit selected papers presented in the International Conference on Man Machine System (ICoMMS2012) took place in Penang, Malaysia, 27–28 February 2012. This conference has presented an overview of new developments in robotics, vision system and artificial intelligence. ICoMMS2012 is open to faculty members, researchers, specialist, and graduate students around the world.

As a part of the original selection, ICoMMS2012 programme committee had the notably difficult task of selecting 25 best papers out of 68 submissions we received at that time. The review process for all papers was rigorous and thorough, including peer-reviewing from at least three qualified reviewers. The accepted papers are of very high quality and cover the wide range of topics of the conference. For this special issue, I, the guest editor, in consultation with the ICoMMS2012 programme committee, selected ten papers, based upon their overall quality and direct relevance to the spirit of the conference. We then invited the authors to present an extended version of their work to the Special issue on Artificial Intelligence and Soft Computing in Signal and Image Processing Applications in *International Journal on Artificial Intelligence and Soft Computing (IJASC)*. Each paper has been subjected to a strict peer review and set to each of the original reviewers in addition to one expert in the field. Finally, six papers have been selected for the publication in this special issue.

It is pleasure to introduce you to these papers. I am grateful to the Chief Editor Prof. Dr. Atulya Nagar, board of editors of *IJASC* for their outstanding work and continuous support. I would like to thank all the authors, the reviewers and my colleagues who helped me to bring this state of art papers into this special issue. Last but not least, I would like to convey my sincere thanks to the Inderscience Publishers team for bringing this paper after editing and proof reading these papers for this special issue.