Preface

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Biographical notes: Khalid Saeed received his BSc degree in Electronics from Baghdad University in 1976 and the MSc and PhD degrees from Wroclaw University of Technology, Poland in 1978 and 1981, respectively. He received his DSc degree (Habilitation) in Computer Science from Polish Academy of Sciences in 2007. He is a Professor with the Faculty of Computer Science, Bialystok Technical University, Poland. Since 2001, he has also been with the Faculty of Engineering in The University of Finance and Management in Bialystok. He is the author of more than 100 publications – about 15 edited books and seven text or reference books.

Recognising humans uniquely has been the subject of many studies in almost all computer science research groups.

The ways to reach the goal have shown varieties of methods and approaches. However, in these methods, there is one common factor, they all measure the physiological and behavioural nature of human biology for the sake of identification, verification and hence recognition. International Journal of Biometrics in its first issue addresses some examples in biological measurements presented as review and research papers.

Thus, it is my pleasure to introduce eight of such works from seven different research centres and universities in seven countries: Japan, Canada, Poland, Pakistan, USA, Mexico and India.

Professor Tomomasa Nagashima together with his famous team in Muroran Institute of Technology in Japan are contributing with an overview on Kansei Engineering, a newly proposed engineering discipline, with an emphasis on human informatics pleasantness of individuals.

Professor Marina Gavrilova from University of Calgary in Canada is presenting a definitive survey of topology-based techniques for fingerprint recognition.

With his research group, Professor Piotr Porwik from University of Silesia in Poland has contributed to this inaugural issue with two interesting papers, first on dynamic signature recognition and the second on fingerprint image enhancement.

Another paper on fingerprints is presented by Professor Usman Akram from National University of Science and Technology in Pakistan.

The behavioural biometrics is discussed in detail in a general survey prepared by Professor Roman Yampolskiy and Professor Venu Govindaraju from University at Buffalo in the USA.

Modular neural networks for multimodal biometry is the contribution of Professor Oscar Castillo and his team from Tijuana Institute of Technology in Mexico.

Professor Nandini Rama from Vidya Vikas Institute of Engineering and Technology and Professor Ravi Kumar from Sri Jayachamarajendra College of Engineering in Mysore, India presented their comprehensive framework to gait recognition to recognise people by the way they walk.

And now that we have a general view of the material introduced in this issue, let me express my deep indebtedness to the associate editors and the reviewers who have put their efforts in the constructive suggestions they sent on the works and the whole material of the inaugural issue.

I hope, together with the Inderscience editing and publishing team, we have reached the aim of this journal issue in introducing academic advantage to the reader in the field of Biometrics.