

I would like to begin by saying that I had the pleasure of attending the annual Australasian Computer Science Week in January – this year in Hobart. It was a most enjoyable and informative conference – I should say group of eight conferences – held in Wrest Point. The venue was great and the organizers went to great lengths to look after the participants who came not only from Australia and New Zealand but many other countries. With so many conferences and simultaneous talks, it was possible to find something of interest all hours of the day. The next Australasian Computer Science Week, ACSW 2007 will be held at the University of Ballarat. January is an excellent time to visit Ballarat. Information about ACSW 2007 will appear in Information Age: <http://www.infoage.idg.com.au/> and on <http://www.ballarat.edu.au/acsw>.

Next, I would like to welcome four new members to the JRPIT editorial team: Professors Vladimir Estivill-Castro and Martin Purvis, and Associate Professors Gill Dobbie and Wojciech Kuczborski.

I would also like to farewell some of our long standing Associate Editors: Professors Shirley Gregor, Geoff McLachlan, Robyn Owens, and John Roddick. I thank each of them for their valued contribution to JRPIT.

The first paper in this issue is titled “Face Detection and Recognition using Colour Sequential Images” and was written by Zhonglong Zheng, Jie Yang and Yitan Zhu. It discusses a human face detection and recognition system for colour sequential images. Face detection and recognition has a wide range of applications from intelligent human machine interfaces and virtual reality to sophisticated security systems. Their system combines two relatively independent components and has achieved a quick high face detection rate.

The second paper is entitled “Fast Normalized Neural Processors for Pattern Detection Based on Cross Correlation Implemented in the Frequency Domain” and was written by Hazem M. El-Bakry and Qiangfu Zhao. “In this article fast neural networks for pattern detection are presented.”

Thirdly, we have a paper by Devarajan Gopal and Taye Adbulkadir which is titled “Self-Similarity and Internet Performance”. In this work, experiments that demonstrate that Long Range Dependence in internet traffic affect the queuing performance are presented. “Queueing performance is being degraded as the self-similarity of the packet arrival increases.”

Following this is an article entitled “An Efficient Data Dissemination Scheme for Nearest Neighbour Query Processing”. This article, by KwangJin Park, introduces a broadcast based LDIS (Location Dependent Information Service) scheme to combat inconsistency problems in location dependent information services in a mobile environment. The paper also presents a data prefetching scheme to reduce query response times.

The final paper is called “A Discriminant Pseudo Zernike Moments in Face Recognition”. It was written by Ying-Han Pang, Andrew B. J. Teoh, and David C. L. Ngo. The authors present experimental results that show that their proposed method, “Fisher’s Linear Discriminant using Zernike moments to derive an enhanced subset of moment features by maximizing the between-class scatter, while minimizing the within-class scatter” achieves superior performance.

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