

Editorial

This is the first issue of volume 13 of the Australasian Journal of Information Systems and is the last issue that I will be editing.

Our first paper is presented by Graeme J. Byrne and Lorraine J. Staehr, from La Trobe University and is entitled Women in the Australian IT Industry: Where are we now. The purpose of this paper is to assess the status of women in the IT industry in 2001 relative to their position in 1996 and in comparison to their status in other industry sectors. Among other findings, the paper shows that women participate in the IT industry at much lower rates than women in many other industries and that they have not achieved pay equity with men.

Our next paper, entitled Rule Mining for Dynamic Databases is presented by A Das and D K Bhattacharyya, from Tezpur University, India. This paper presents two modified version of the *Borders* algorithm called *Modified Borders*. Experimental results show that the modified version performs better than the *Borders* algorithm in terms of execution time.

Our next paper is entitled Don't Leave Patch Management to Chance and is presented by Ralph DeFrangeso, USA. This paper attempts to introduce conditional probability into the patch management process giving the reader a tool to evaluate where best to spend their time, analysis or testing. Bayes' theorem is used to help predict the outcome of a patch management example.

James Gibson, University of Wollongong presents our next paper entitled A Research Strategy for Investigating Business Process Management Approaches. This paper defines the research framework for effective academic research enabled by co-ordinating research based on the primacy of the business model and its resultant effective representation in executable systems.

Sigi Goode, Australian National University, presents our next paper entitled A Longitudinal Study of ISP Reactions to Australian Internet Content Regulation Laws. This paper discusses a longitudinal study which surveys a targeted selection of Australian ISPs to determine both initial and subsequent effects of and attitudes towards the legislation.

Our next paper is presented by Emmanuel Ikart, University of Wollongong and is entitled Executive Information Systems and the Top-Officers' Roles: An Exploratory Study of User-behaviour Model and Lessons Learnt. This paper reports on research in progress in Australia on the adoption and usage of EIS by executives. The results suggest a higher degree of EIS usage by middle managers than top-level managers.

Evan Patullo, La Trobe University, presents our next paper entitled The Management of Computer Systems in Small Business: A Preliminary Analysis of the Issues of Importance to Managers. This paper reports on preliminary results from a pilot project investigating the relative importance of various IS concerns from the perspective of small business managers in the Albury-Wodonga region. Initial results confirm the operational focus of small business managers.

Graham Pervan and Hilangwa Maimbo, Curtin University, present our next paper entitled A Credit Union Case Study of the Business Value of IS/IT. This paper investigates the business value of IS/IT investments in the Financial Services Sectors (FSS) in Australia using a case study methodology to develop and refine a conceptual model of the relationship between IS/IT investment and organisational performance.

Our next paper is presented by Wei Ge, University of Wisconsin, Marcus Rothenberger, University of Nevada and Edward Chen, Germany. The paper is entitled A Model for an Electronic Information Marketplace. This paper presents a modified business model for

information trading, which uses a reverse auction approach together with a multiple-buyer price discovery process.

Our next paper is entitled Securing XML Query Processing Storage and is presented by Charles Shoniregun, University of East London, Oleksandr Logvynovskiy, London South Bank University and Kevin Lu, Brunel University. This paper presents a new structural join algorithm called sequence join algorithm, for sequential regular path expressions in securing XML query processing storage which exploits information about position of the elements in a product to skip generation of redundant intermediate lists.

Our next paper is presented by Oliver Hoffman, David Copley, University of South Australia, Arthur Copley, University of Hamburg, Lemai Nguyen, Deakin University and Paul Swatman, University of South Australia and is entitled Creativity, Requirements and Perspective. The Paper examines the paradox caused by the need to be functionally creative while leaving room for creativity in successive stages.

Sharman Lichtenstein, Lemai Nguyen and Alexia Hunter, Deakin University present our next paper entitled Issues in IT Service-Oriented Requirements Engineering. This paper suggests that in the new IT services era, new techniques and approaches are needed for eliciting and determining provider and customer requirements that involve key stakeholder groups equitably and more closely negotiate the sometimes-conflicting provider and customer needs.

Oliver Minor, University of Koblenz-Landau and Jocelyn Armarego, Murdoch University present our next paper entitled Requirements Engineering: A Close Look at Industry Needs and Model Curricula. This paper examines the requirements component of model curricula in the disciplines of computer science, information systems and software engineering. The results reveal that the model curricula address the expectations for requirements activities, practitioners have mentioned.

Our next paper is entitled Consensus Making in Requirements Negotiation: The Communication perspective and is presented by Jenny Price and Jacob Cybulski, Deakin University. As requirements elicitation involves rich communication between project stakeholders, this paper explores negotiation and consensus making from the communication perspective. The resulting model assists in the understanding of the communication factors that influence the consensus process during requirements negotiation.

June Verner and Karl Cox, National ICT Australia, Steven Bleistein, University of New South Wales & Narciso Cerpa, Universidad de Talca, present our next paper entitled Requirements Engineering and Software Project Success: An Industrial Survey in Australia and the U.S. This paper showed that the best predictor of project success was that the requirements were good and were managed effectively.

Carolyn Ye-Phem Chin and Paula Swatman, University of South Australia present our next paper entitled The Virtual Shopping Experience: Using Virtual Presence to Motivate Online Shopping. This paper identifies some of the possibilities and problems of online shopping today, illustrating the current status of virtual presence in retailing with two micro-cases of success and failure.

Our next paper is entitled The Relevance of Value Net Integrator and Shared Infrastructure eBusiness Models in Managing Chronic Conditions A Working Paper and is presented by Susan Lambert, Flinders University. This paper looks to ebusiness models for assistance in understanding the requirements of general practitioners (GPs) in providing multi-disciplinary team care to patients with chronic conditions.

Daniel Walsh, Carole Alcock, Lois Burgess, University of Wollongong and Joan Cooper, Flinders University present our next paper entitled A PDA Based Point of Care E-Health Solution for Ambulatory Care. This paper discusses phase one of a larger, four-phase project which aims to develop information access applications at point-of-care for Ambulatory Care Services. The initial phase of the research (phase one) involves workflow analysis, requirements specification and the development and testing of a system prototype. Janice Burn and Paul Alexander, Edith Cowan University present our next paper entitled A Capabilities Analysis of E-Fulfilment Business: Transformation in the Logistics Industry. This paper reports on the evaluation of practices of 48 leading e-fulfilment suppliers in the UK. Initial findings suggest that while a comprehensive model of e-fulfilment is validated these organisations are also providing services not previously recognised as e-fulfilment capabilities by the literature.

Our last paper is entitled Diffusion of Innovation – The Adoption of E-Commerce by Small to Medium Enterprises (SMEs) A Comparative Analysis and is presented by Wayne Pease, University of Southern Queensland and Michelle Rowe, Edith Cowan University. This paper explores the issues that influence the diffusion of innovation as it relates to the adoption of e-commerce by Small and Medium Enterprises (SMEs), in particular factors facilitating and inhibiting adoption across contexts – regional, small city and large city.

I would like to thank the many authors, referees, board members and technical experts that have helped me over the 13 years that I have been editor of AJIS. I believe that the new editor will find that the many willing hands that are available will make his/her job that much easier.

I hope that AJIS continues to grow in strength and continues to support the IS community.

Dr Rob MacGregor