

# IRIS NEWS *Issue 5: March 2003*

Happy New Year! May I take this opportunity to wish you a successful 2003.

It's been a busy time since the publication of the last Research Newsletter back in July. We have had a number of journal, book chapters and conference papers published.

The University hosted a European Conference which was organised by Yacine Rezgui. This event was a great success with a large number of national, European and international delegates attending the Conference.

The School has been awarded three new Teaching Company Schemes (TCS), which brings the total number to four TCS's operating in the School. Congratulations to Ben Light on the successful completion of his TCS project which ended in December.

The Research Committee met in February 2003. Minutes from all Research Committee meetings are available on the P drive, via the Research Committee folder.

*Trevor Wood-Harper*  
Director, ISRC

## *In this issue:*

- New Publications
- New Teaching Company Schemes
- Who's Doing What
- eSM@RT Conference
- New Staff & Postgraduate Research Students

## Publications

### Books

Bell, S. and Wood-Harper, A.T. 2003. 'Sustainable Information Systems: The Multiview Approach', Earthscan 2003 (forthcoming).

McManus, J. and Wood-Harper, A.T. 2003. 'Information Systems Project Management: Methods, Tools and Techniques', Financial Times Prentice Hall.

### Book Chapters

Adam, A. 2002. 'Contemporary Issues in Gender and Computer Ethics' in Eileen Green and Alison Adam (eds), Occasional Papers No 1, Equal Opportunities On-Line, Centre for Social and Policy Research, University of Teeside, pp. 2-6.

Adam, A. 2002. 'The Ethical Dimension of Cyberfeminism' in Mary Flanagan and Austin Booth (eds), Reload: Rethinking Women and Cyberculture, MIT Press, Cambridge, MA, pp. 158-174 (invited chapter).

### Journals

Adam, A. 2002. 'Feministische Ethik fur Informationstechnologien: das Problem des Cyberstalking' (Feminist Ethics for Information Technologies: The Problem of Cyberstalking), FifF-Kommunikation, vol. 3, pp. 5-8.

Adam, A. 2002. 'Gender/Body/Machine', Ratio: The Journal of Analytic Philosophy, vol. 15, no. 4, pp. 354-375.

Adam, A. 2002. 'Exploring the Gender Question in Critical Information Systems', in Journal of Information Technology, vol. 17, no. 2, pp. 59-67.

Adam, A. 2002. 'Computer Ethics in a Different Voice', in Information and Organization, vol. 11, no. 4, pp. 235-261.

Adam, A. 2002. 'Cyberstalking and Internet Pornography: Gender and the Gaze', in Ethics and Information Technology, vol. 4, no. 2, pp. 133-142.

Adam, A. 'Heroes or Sibyls? Gender and Engineering Ethics', in IEEE Technology and Society Special Issue on Engineering Ethics, vol. 20, no. 3, pp. 39-46, Fall 2001.

Ball, E., Chadwick, D.W. and Mundy, D. 2003. 'Digital Patient Data Privacy in the Electronic Transfer of Prescriptions', in IEEE Security and Privacy Magazine, scheduled for March-April 2003.

Bennetts, P.D.C. and Wood-Harper, A.T. 2003. 'Soft Systems Methodology in a Systemic Approach to Software Improvement', in Journal of Applied Systems Studies, vol. 4, no. 1.

Chadwick, D.W. and Otenko, A. 2003. 'The PERMIS X.509 Role Based Privilege Management Infrastructure', in Future Generation Computer Systems, vol. 19, pp. 277-289.

Chadwick, D.W. 2003. 'Deficiencies in LDAP when Used to Support a Public Key Infrastructure', Communications of the ACM, scheduled for March-April 2003.

Chadwick, D.W., Otenko, A. and Ball, E. 2003. 'Implementing Role Based Access Controls Using X.509 Attribute Certificates', in IEEE Internet Computing, scheduled for March-April 2003.

### Conferences Cont/d...

Bell, F. and Handisides, P. 2002. 'A Simple Tale of Country Folk? Idiosyncrasies in Tourism Information Standards', Proceedings of the European Conference on Information and Communication Technology Advances and Innovation in the Knowledge Society eSM@RT 2002 in collaboration with CISEMIC 2002 Conference, Salford.vol 1, pp 347-358. [ABSTRACT](#)

Chadwick, D.W., Otenko, O., Hunter, D. and Leoni, C. 2002. 'Privilege Management for E-Construction', Proceedings of the European Conference on Information and Communication Technology Advances and Innovation in the Knowledge Society eSM@RT 2002 in collaboration with CISEMIC 2002 Conference, Salford. vol. 1, pp 91-102. [ABSTRACT](#)

Cooper, G.S., Rezgui, Y. and Clifton, B. 2002. 'Advanced Decision Support for CAD-Based Construction Design', Proceedings of the European Conference on Information and Communication Technology Advances and Innovation in the Knowledge Society eSM@RT 2002 in collaboration with CISEMIC 2002 Conference, Salford, vol. 1, pp 271-280. [ABSTRACT](#)

Ferneley, E., Berney, B. and Rezgui, Y. 2001. 'Information Retrieval Algorithms for Knowledge Management - The Challenge Continues', Proceedings of the European Conference on Information and Communication Technology Advances and Innovation in the Knowledge Society eSM@RT 2002 in collaboration with CISEMIC 2002 Conference, Salford, vol. 1, pp 168-177. [ABSTRACT](#)

Howcroft, D. and Light, B. 2002. 'A Study of User Involvement in Packaged Software Selection', in Applegate, L., Galliers, R.D. and De Gross, J.I. (eds), Proceedings of the 23rd International Conference on Information Systems Association for Information Systems. Barcelona, Spain, pp. 69-77.

Lima, C., Fies, B., Zarli, A., Bourdeau, Wetherill, M. and Rezgui, Y. 2002. 'Towards an IFC-Enabled Ontology for the Building and Construction Industry: The e-COGNOS Approach', Proceedings of the European Conference on Information and Communication Technology Advances and Innovation in the Knowledge Society eSM@RT 2002 in collaboration with CISEMIC 2002 Conference, Salford, vol. 1, pp 254-264. [ABSTRACT](#)

Mitra, A. and Brown, M. 2002. 'Challenges of Modelling Knowledge Within Dynamic Environments: Case of Application Development Within the Media Industry', Proceedings of the European Conference on Information and Communication Technology Advances and Innovation in the Knowledge Society eSM@RT 2002 in collaboration with CISEMIC 2002 Conference, Salford. vol. 1, pp 236-242. [ABSTRACT](#)

Rae, J. and Taylor, G. 2002. 'Making Sense of E-Learning Standards: The Development of the Dimensions Learner Development Management System', Proceedings of the European Conference on Information and Communication Technology Advances and Innovation in the Knowledge Society eSM@RT 2002 in collaboration with CISEMIC 2002 Conference, Salford.vol. 1, pp 285-293. [ABSTRACT](#)

Vakola, M. and Wilson, I.E. 2002. 'The Challenge of Virtual Organisation: Critical Success Factors in Dealing with Constant Change', Proceedings of the European Conference on Information and Communication Technology Advances and Innovation in the Knowledge Society eSM@RT 2002 in collaboration with CISEMIC 2002 Conference, Salford. vol. 1, pp 264-275. [ABSTRACT](#)

Wetherill, M., Ferneley, E. and Rezgui, Y. 2002. 'Deploying Knowledge

## Conferences

Adam, A. 2002. 'Knowledge Transfer: What are we Transferring and Where are we Transferring it?', Proceedings 26th International Conference on Software and Applications (COMPSAC), Oxford, UK, August 2002, pp. 526-527.

Adam, A. 2002. 'Democracy, Gender and Technology: Historical Connections' in Fay Sudweeks and Charles Ess (eds), Proceedings of 3rd International Conference on Cultural Attitudes Towards Technology and Communication (CATaC), Montreal, July 2002, pp. 143-151.

Adam, A. 2002. 'Cyberstalking and Internet Pornography: Gender and the Body', in Ruth F. Chadwick, Lucas introna and Antonio Marturano (eds), Proceedings Computer Ethics: Philosophical Enquiry - IT and the Body, Lancaster, UK, December 2001, pp. 1-11.

Adam, A. 2002. 'Internet Pornography: A Feminist Analysis', panel on Gender, IT and Law, Gender Sexuality and Law Conference, Keele, June 2002.

Al-Matrouk, H., Martin, D. and Wastell, D. 2002. 'Understanding Electronic Teaching and Learning Through Awareness: An Ethnomethodological Informed Analysis of the Process', Proceedings of the European Conference on Information and Communication Technology Advances and Innovation in the Knowledge Society eSM@RT 2002 in collaboration with CISEMIC 2002 Conference, Salford. vol. 1, pp 315-326. [ABSTRACT](#)

Basden, A. and Wood-Harper, A.T. 2002. 'A Philosophical Enrichment of CATWOE', 8th Annual ANZSYS Conference on Management Approaches for Complex Systems, Mooloolaba, December 2002.

Andrew and Trevor won the prize for Best Paper at the Conference and were given the highest marks in every category by both reviewers. A copy of the paper is available from Andrew Basden.

Management Solutions for the Construction Sector Using the Web Service Model', Proceedings of the European Conference on Information and Communication Technology Advances and Innovation in the Knowledge Society eSM@RT 2002 in collaboration with CISEMIC 2002 Conference, Salford, vol. 1, pp 123-133. [ABSTRACT](#)

Whatley, J. 2002. 'Software Agents to Support Students Working Online', Proceedings of the European Conference on Information and Communication Technology Advances and Innovation in the Knowledge Society eSM@RT 2002 in collaboration with CISEMIC 2002 Conference, Salford. vol. 1, pp 306-314. [ABSTRACT](#)

Wilson, I.E. and Vakola, M. 2002. 'Open Road: Proposing A Migration Path to the Digital Construction Virtual Enterprise', Proceedings of the European Conference on Information and Communication Technology Advances and Innovation in the Knowledge Society eSM@RT 2002 in collaboration with CISEMIC 2002 Conference, Salford. vol. 1, pp 204-215. [ABSTRACT](#)

Zarli, A., Rezgui, Y., Kazi, A.S. and van Nederveen, S. 2002. 'ICCI: Interconnecting the Construction Industry in the Emerging Knowledge-Based Society', Proceedings of the European Conference on Information and Communication Technology Advances and Innovation in the Knowledge Society eSM@RT 2002 in collaboration with CISEMIC 2002 Conference, Salford, vol. 1, pp 1-12. [ABSTRACT](#)

## Occasional Papers

Green, E. and Adam, A. (eds), Occasional Papers No. 1, Equal Opportunities On-Line, Centre for Social and Policy Research, University of Teesside, 2002. pp. 1-54. This arises from the ESRC Seminar Series 'Equal Opportunities Online'.

## New Projects



### TEACHING COMPANY SCHEMES

**Frances Bell** has been awarded a Teaching Company Scheme with Career Management Consultants Ltd. based in Northwich. Elaine Ferneley and Ben Light are also working on the TCS as co-investigators. The project is to develop a knowledge management culture in the Company by building a corporate portal with applications that will disseminate best practice internally, enhance relationships with sponsors, clients and future alumni, and capture share market intelligence among staff and clients.

**Mark Jones** has successfully obtained a TCS grant with Etiquette Formal Hird Ltd., based in Rossendale. The Salford team also involves Poly Sobreperez and the School of Management. The project will address the Company's future information management requirements by establishing an integrated order processing and warehouse control system, linked to remote-access retail information system thereby enabling the Company to become more efficient and effective.

**Alan Tracey** has been awarded a TCS grant with HCS (Systems Solutions) Ltd. based in Accrington. He will be joined on the project by Grahame Cooper. The overall aim of the project is to design and develop both sales order and purchase order processing applications. These products will be added to the existing Factory Processing applications available as part of the bespoke software solution range. A further key element is the design and development of middleware applications to allow seamless integration of the newly developed, and existing applications, into current and future client systems.

## WHO'S DOING WHAT?

The Malaysian Research Conference led by Trevor Wood-Harper, the School of Computer Sciences, and the School of Accounting Economics and Management Science, have won an award in the International Student Recruitment category of the Annual Guardian sponsored HEIST awards. The judging panel consisted of the British Council and Marketing consultants from HEIST. These are the major awards for education marketing and Salford is the only university to have won an award in the International category this year. This is a major achievement for the University and for all the staff who took part in the event. You can find out more at <http://www.heist.co.uk/awards>

Trevor is to serve as a research member on the BCS Accreditation Visiting Panel, Queen's University, Belfast, 2003. He will also serve as a member on the Program Committee of the 2003 Information Resources Management Association (IRMA) International Conference, Philadelphia, May 2003. He is General Joint Chair, Pacific and Asian Conference on Information Systems (PACIS 2003).

David Wastell and Trevor Wood-Harper are Joint Programme Chairs, International Federation for Information Processing (IFIP) Working Group 8.2 Conference, 2004.

Amit Mitra has been elected to the University Research Committee. His appointment to serve on this Committee is from 1 August 2002 to 31 July 2005.

Virtual Gender - a book edited by Alison Adam and Eileen Green is 'book of the month' for February at the Research Centre for Cyberculture Studies, University of

### European Commission - TEMPUS Individual Mobility Grant

**Maria Burke** has been awarded a TEMPUS IMG02 European Training Foundation Grant to work with the St. Petersburg State Technical University, Faculty of Computer Science. She plans to visit the University in early March. The objective of the visit is initially to look at learning environments and techniques and then to consider the impact of different organization structures on information fulfilment.

## Completed Project

Ben Light's Teaching Company Scheme with Career Management Consultants Ltd. was successfully completed in December 2002. Debra Howcroft and Frances Bell were co-investigators on this project. The TCS Associate employed on the project, Ms. Marie Griffiths, will continue to work at CMC offices whilst continuing with her postgraduate research degree.

Washington at <http://www.com.washington.edu/rccs/>. Alison has been awarded a book contract by Palgrave/Macmillan - Gender, Ethics and Information Technology, for completion by the end of 2003.

Alison Adam was interviewed on BBC Radio 4 Woman's Hour, on the topic of Internet Pornography, in Manchester, June 2002 ([www.bbc.co.uk/radio4/womanshour/24\\_06\\_02/Monday/info1.shtml](http://www.bbc.co.uk/radio4/womanshour/24_06_02/Monday/info1.shtml)).

Alison Adam from 2002 invited founding member of the editorial board of the International Journal of Information, Communication, Society and Ethics (IJICSE) and Book Review Editor for IJICSE. She will also be Book Reviews Editor for ACM Computers and Society from 2002.

Alison Adam was invited to present the following keynote address 'Feminist Research in Computer Ethics' Athena Conference, London Metropolitan University, October 2002.

Alison has Programme Committee membership on CEPE, Ethics in a Post September 11th Era, Boston, USA, June 2003, IEEE Technology and Society ISTAS 2002 (International Symposium on Technology and Society), Raleigh, North Carolina, June 2002, and ACM Computer Ethics: Philosophical Enquiry (CEPE), Lancaster, December 2001.

Andrew Basden and Trevor Wood-Harper won the prize for Best Paper at the 8th Australia and New Zealand Systems Conference in December 2002. Their paper titled 'A Philosophical Enrichment of CATWOE' was given the highest marks in every category by both reviewers. A copy of the paper is available from Andrew Basden.

Tom McMaster has accepted an invitation from Prof. Al Harris at the Appalachian State University to serve on the Editorial Board of the Journal of Information Systems Education for a three year period.

Adam, A., Howcroft, D. and Richardson, H. (joint guest eds), Special Issue of Information Technology and People on Gender and IS, June 2002, vol. 15, no. 2.

## Invited Seminars

Adam, A. 'Critical Approaches to Technology: Feminist Critiques', Business School, University of Lincoln, December 2002.

Adam, A. 'Computer Ethics and Gender', Computing Laboratory, University of Oxford, May 2002.

Adam, A. 'Paradox of the Plus Size Industry', Department of Sociology, Through the Wardrobe Seminars, University of Teesside, April 2002.

The University of Salford organized and hosted the **eSM@RT Conference** (*1st European Conference on Information and Communication Technology Advances and Innovation in the Knowledge Society*) held on 18-21 November 2002. The Conference theme was entitled: 'Towards a Knowledge Economy in the Construction and Related Sectors.' This event was organized in collaboration with CISEMIC 2002 sponsored by EPSRC. The organizing committee included Prof. Yacine Rezgui (Conference Chair) from the Information Systems Institute (Salford), Dr Alain Zarli from CSTB (France), Mr John Nolan from the European Commission (Belgium), Mr Matti Hannus from VTT (Finland), and Ricardo Goncalves from UNINOVA (Portugal), and Prof Ghassan Aouad from the School of Construction and Property Management (Salford).

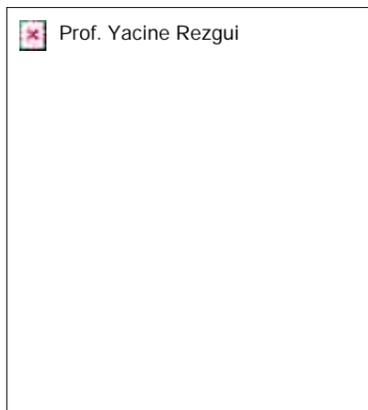
The eSM@RT Conference was sponsored by the EC under the IST Programme, with support from European national funding bodies, including EPSRC in the UK and TEKES in Finland. The Conference involved key players in the Construction IT research area from Europe, the US, Canada, and Australia. The venue had been chosen in order to provide an opportunity for industrialists, academics and policy makers (within the UK and across Europe) to:

- Reflect on past and ongoing national and international experiences (including the Framework 5 programme).
- Promote the European Research Area in Construction and related sectors.
- Provide the foundation platform that will shape and devise the strategic roadmap(s) in the sector from which integrated projects and networks of excellence will emerge for the Sixth Framework.

The Conference included an industry day event that attracted over 110 participants. This industry day gave an opportunity to the participants to (1) understand the nature of the work and research undertaken in European programmes, (2) be informed about recently ICT deployment success stories in Construction and related sectors, and (3) have a chance to be involved in a concerted initiative within Framework 6.

A few people should be thanked for the success of the event, including Donna Bailey from the Information Systems Institute (who organized the whole event), Mary Hamblet from the School of Construction and Property Management, Samantha Yuill from the Research and Graduate College, and staff from the ISI. Further details of the conference can be found in: <http://esmart.salford.ac.uk/eSMART.htm>

Yacine Rezgui



Prof. Yacine Rezgui

## UK Academy for Information Systems

The ISI hosted the UKAIS - IS Learning and Teaching Symposium on 11 December 2002. The aim of the Symposium was to share experiences of approaches to IS learning and teaching and to promote discussion and collaboration.

## Information Systems Institute Seminar Series

The Social Aspects of IS Research Institute Seminar Series in conjunction with MISS will run on alternative weeks in a given month, from 1pm to 3pm every first and third Wednesday of each month. A list of upcoming seminars is available via the events link at: <http://www.ibi.salford.ac.uk/isr/index.htm>

The PERMIS software, developed in the ISI by the ISSRG (<http://sec.isi.salford.ac.uk>), is the first non-US software to be accepted in the forthcoming Internet2/GRID NMI software release, due out April 12, 2003.

This software release will give Salford University world wide publicity, and will place us at the leading edge of GRID and Internet 2 software development. I should especially like to thank Ed Ball and Sassa Otenko who have worked long and hard on this project, and especially Sassa, who is due to submit his PhD thesis next month describing his work on this project.

David Chadwick

## NEW STAFF

**Matthew Lomas** is a newly appointed Teaching Company Associate working on Alan Tracey's Teaching Company Scheme. Matthew graduated from Salford in June 2002 with a BSc (Hons) Information Technology.

## POSTGRADUATE RESEARCH STUDENTS

### NEW POSTGRADUATE RESEARCH STUDENTS

Mr. James Cunningham, PhD (Supervisor: Dr. Elaine Ferneley), January 2003.

**Lucy Kyle** has been appointed as a Teaching Company Associate on Frances Bell's Teaching Company Scheme. Lucy graduated from Salford in 2002 with a BSc Business Information Systems.

**Graham Walker** has been appointed as a Teaching Company Associate on Mark Jones TCS. Graham graduated with a BSc(Hons) Business Information Systems from Salford, July 2001.

**Rachael Murphy** will also be working at a Teaching Company Associate on Mark Jones TCS. Rachael graduated with a BSc (Hons) Information Technology from Salford, July 2001.

Mr. Kmail Ahmad Mahmood, PhD (Supervisor: Dr. Elaine Ferneley), January 2003

Ms. Nadja Damji, MPhil (Supervisor: Prof. Yacine Rezgui), January 2003

Ms. Suzanne Kane, PhD (Supervisor: Dr. Andrew Basden), October 2002

Mr. Andrew Gold, MSc (Research) (Supervisor: Ms. Frances Bell), July 2002

Mr. Ganapathi Balasubramanian, PhD (Prof. David Chadwick), October 2002

Ms. Beryl Burns, PhD (Supervisor Mr. Ben Light), October 2002

Ms. Norizan Mohd Yasin, PhD (Supervisor: Mr. Ben Light), October 2002

### **GRADUATED POSTGRADUATE RESEARCH STUDENTS**

Japhet Eke Lawrence, PhD 2002  
(Supervisor: Jim Hughes)  
The Use of Internet in Small to Medium-Sized Enterprises

Steve Jones, PhD 2002  
(Supervisor: Jim Hughes)  
Information Systems Investment and Value Appraisals in the Public Sector

G.D.S.P. Wimalarante, PhD 2002  
(Supervisor: Terrence Fernando)  
Constraint-Based Functional Virtual Prototyping for Assembly Simulation

#### **RESEARCH NEWSLETTER SUBMISSIONS**

*The next issue of the ISRC Newsletter will be published in July 2003. Submissions to the Newsletter must be sent to Donna Bailey at Email: [D.S.Bailey@salford.ac.uk](mailto:D.S.Bailey@salford.ac.uk) by 15 June 2002.*