

The Journal of Issues in Informing Science and Information Technology
2005 Volume 2

Table of Contents

Assessment/Evaluation

Degrading Grades - Do Graduate Grades Provide a Useful Guide to Potential ICT Employers? Tony Richardson	1
A Beginning Specification of a Model for Evaluating Learning Outcomes Grounded in Java Programming Courses Robert Joseph Skovira	9
Formative Assessment Visual Feedback in Computer Graded Essays Robert Williams and Heinz Dreher	23

Collaborative Work/Interaction/Working Together/Teams

CAB - Collaboration across Borders: Peer Evaluation for Collaborative Learning Janice Whatley, Frances Bell, Jan Shaylor, Elena Zaitseva, and Danuta Zakrzewska	33
Modeling Human Activity Systems for Collaborative Project Development: An IS Development Perspective Kam VAT	49
Using Technology-Mediated Learning Environment to Overcome Social and Cultural Limitations in Higher Education Arif Bhatti, Abdallah Tubaihat, and Eyas El-Qawasmeh	67
"We Work as a Team Really": Gender Homophily on Australian Cotton Farms Dale Mackrell	77
Talking Past Each Other - Staff and Student Reflection in Undergraduate Software Projects Stewart Fleming	93
New Pathways to Learning: The Team Teaching Approach. A Library and Information Science Case Study Helen Partridge and Gillian Hallam	103

Commerce and eCommerce

Online Securities Trading in China Michelle W. L. Fong	119
Common Approaches to Patenting New E-commerce Business Models (a Case Study) Max Gottlieb and Boris Stavrovski	129

Control, Audit, and Security

Teaching System Access Control John Bauer Mengelberg	139
Computer Network Simulation and Network Security Auditing in a Spatial Context of an Organization Andrzej Zaliwski	159
A Perspective on Achieving Information Security Awareness Mariana Hentea	169

Curriculum Issues

A Doctorate Degree Program in Information Systems of a Kind Frederick Kohun and Azad Ali	179
Prior Experience and New IT Students Edward Holden and Elissa Weeden	189
The Peer Reviews and the Programming Course Grandon Gill	205
Understanding Information Technology: What do Graduates from Business-oriented IS Curricula Need to Know? John Beachboard and Kevin Parker	219
Suggested Topics for an IS Introductory Course in Java Azad Ali and Frederick Kohun	237
Integrating Sun Certification Objectives into an IS Programming Akram Al-Rawi, Azzedine Lansari, and Faouzi Bouslama	247
Defining the IT Curriculum: The Results of the Past 3 Years Barry Lunt, Joseph Ekstrom, Edith Lawson, Reza Kamali, Jacob Miller, Sandra Gorke, and Han Reichgelt.....	259
Analysis of Information Systems Management (post)Graduate Program: Case Study of Faculty of Economics, University of Ljubljana, Slovenia Peter Baloh	271

Distance Education & e-Learning

Understanding Intention to Use Multimedia Information Systems for Learning Raafat Saade and Ian Galloway	287
Establishing the IT Student's Perspective to e-Learning: Preliminary Findings from a Queensland University of Technology Case Study Helen Partridge and Sylvia Edwards.....	297
Web Triad: the Impact of Web Portals on Quality of Institutions of Higher Education - Case Study of Faculty of Economics, University of Ljubljana, Slovenia Ales Popovic, Jaka Lindic, Mojca Indihar Stemberger, and Jurij Jaklic	313
Customizing Instruction Frank Kurzel	325
Time and the Design of Web-Based Learning Environments Ari Wahlstedt	335

Education/Training

What Can You Do To Virtually Teach Hands-on Skills? Peter Fenrich	347
A Profile of Digital Information Literacy Competencies of High School Students Sunita Shankar, Muthu Kumar, Uma Natarajan, and John G. Hedberg	355
Towards an Information System Making Transparent Teaching Processes and Applying Informing Science to Education Antonio Cartelli	369

Ethical & Philosophical Issues

Ethical IT Behaviour as a Function of Environment Tony Jewels and Nina Evans	383
--	-----

Exploring the Key Informational, Ethical and Legal Concerns to the Development of Population Genomic Databases for Pharmacogenomic Research	
Julia Gladstone	395
<i>How to Teach/ New Ways of Teaching</i>	
The Effects of Reading Goals on Learning in a Computer Mediated Environment	
Betsy Schoeller	405
An Overview: Approaches for the Development of Basic IT Skills	
Syed Jafar Naqvi	423
System Analysis Education Using Simulated Case Studies	
Bill Davey and David Kelly	431
ISExpertNet: Facilitating Knowledge Sharing in the Information Systems Academic Community	
Dennis Viehland	441
Progressive Programming Assignments	
Keith Whittington	451
Evaluating Critical Reflection for Postgraduate Students in Computing	
Kay Fielden	461
Automatically Generating Questions in Multiple Variables for Intelligent Tutoring	
Tao Li and Samuel Sambasivam	471
Use of a Class Exercise to Maximize Student Interest in an Introductory MIS Course	
Arup Mukherjee	481
<i>Human-Computer Interaction & Interface Design</i>	
Resistance to Electronic Medical Records (EMRs): A Barrier to Improved Quality of Care	
David Meinert	493
<i>Information Harvesting, Archiving Technologies/Methods</i>	
Concept Mapping as a Tool for Curriculum Quality	
Elizabeth McDaniel, Brenda Roth, and Michael Miller	505
And What of Intellectual Landscapes in the Future?	
James P. (Max) McCarthy	515
<i>Information Management</i>	
Design, Development and Deployment Considerations when Applying Native XML Database Technology to the Programme Management Function of an SME	
Samuel Sambasivam and Paul Storey	523
Discipline Formation in Information Management: Case Study of Scientific and Technological Information Services	
Michael Middleton	543
Information Transfer in Supply Chain Management	
Peter Trkman, Mojca Indihar Stemberger, and Jurij Jaklic	559
<i>Misinformation/Bias in Systems</i>	
Matching: Discrimination, Misinformation, and Sudden Death	
Gail Thornburg	575
Sarbanes-Oxley Act of 2002 and IT Education	
Craig VanLengen	591

Networks and Telecommunication

Creating a Networking Lab for Business Students Michael Chilton	599
Performance Analysis of Double Buffer Technique (DBT) Model for Mobility Support in Wireless IP Networks Adeniyi Akintola, Adesola Aderounmu, and Michael Adigun	609
Modeling and Performance Analysis of Dynamic Random Early Detection (DRED) Gateway for Congestion Avoidance Adeniyi Akintola, Adesola Aderounmu, Lukman Akanbi, and Michael Adigun.....	623
Measurement Data Logging via Bluetooth Kaj J. Grahn, Christian Dieckert, Frank Schneider, and Göran Pulkkis	637

Project Management/Practice

Software Quality Management supported by Software Agent Rita Nienaber and Andries Barnard	659
An Assessment of Software Project Management Maturity in Mauritius Aneerav Sukhoo, Andries Barnard, Mariki Eloff, and John Andre Van der Poll	671
Accommodating Soft Skills in Software Project Management Aneerav Sukhoo, Andries Barnard, Mariki Eloff, John Andre Van der Poll, and Mahendrenath Motah	691

Social & Cultural Issues

The Digital Divide and K-12 Student Computer Use James Morgan and Craig VanLengen	705
---	-----

Systems Analysis, Design, Development, Implementation

Redesign of Stand-Alone Applications into Thin-Client/Server Michel van der Vlugt and Samuel Sambasivam	723
Using a Blackboard Architecture in a Web Application Christiane Metzner, Leonardo Cortez, and Doritza Chacín	743

Web/XML/Internet

The Performance of Web-based 2-tier Middleware Systems Johnson Dehinbo	757
An Actor Network Approach to Informing Clients through Portals Arthur Tatnall and Bill Davey	771

IISIT Reviewers

.....	781
-------	-----