The Second International Conference on Technology, Knowledge & Society

Draft Program as @ 27 November 2005

Fortune Katriya Hotel, Hyderabad, India
12-15 December, 2005

www.Technology-Conference.com
## TIMETABLE

### DAY 1: Monday 12 December
- **7:30-8:30**  REGISTRATION
- **8:30-9:30**  CONFERENCE OPENING
- **9:30-10:00**  PLENARY SESSION 1
- **10:00-10:15**  INTRODUCTION TO COMMON GROUND
- **10:15-10:30**  MORNING TEA
- **10:30-11:00**  TALKING CIRCLE 1
- **11:00-12:00**  GROUP 1: workshops and papers
- **12:00-1:00**  LUNCH
- **1:00-2:00**  GROUP 2: workshops and papers
- **2:00-3:00**  GARDEN SESSION
- **3:00-3:30**  AFTERNOON TEA
- **3:30-4:00**  PLENARY SESSION 2

### DAY 2: Tuesday 13 December
- Secretariat/registration desk open from 8:00AM
- **9:00-9:30**  PLENARY SESSION 3
- **9:30-10:30**  GROUP 4: workshops and papers
- **9:30-10:30**  GARDEN SESSION 2
- **10:30-10:45**  MORNING TEA
- **10:45-12:15**  GROUP 5: papers
- **12:15-1:15**  LUNCH
- **1:15-2:15**  GROUP 6: papers
- **1:15-2:15**  GARDEN SESSION 3
- **2:15-3:15**  GROUP 7: papers
- **3:15-3:30**  AFTERNOON TEA
- **3:30-4:00**  PLENARY SESSION 4

### DAY 3: Wednesday 14 December
- Secretariat/registration desk open from 8:00AM
- **9:00-9:30**  PLENARY SESSION 5
- **9:30-10:30**  GROUP 8: papers
- **10:30-10:45**  MORNING TEA
- **10:45-12:15**  GROUP 9: papers
- **12:15-1:00**  LUNCH
- **1:00-2:00**  GROUP 10: papers
- **1:00-2:00**  GARDEN SESSION 4
- **2:00-2:45**  TALKING CIRCLE 2
- **2:45-3:00**  AFTERNOON TEA
- **3:00-4:30**  GROUP 11: papers

### DAY 4: Thursday 15 December
- Secretariat/registration desk open from 8:30AM
- **9:00-10:00**  GROUP 12: workshops and papers
- **10:00-10:15**  MORNING TEA
- **10:15-11:00**  TALKING CIRCLE 3
- **11:00-12:00**  GROUP 13: workshops and papers
- **12:00-1:00**  CLOSING PLENARY SESSION (6)
- **1:00**  LUNCH
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<tr>
<th>Time</th>
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<td>7:30-8:30</td>
<td>REGISTRATION</td>
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<tr>
<td>8:30-9:30</td>
<td>CONFERENCE OPENING</td>
<td>Speakers: Minja Yang, UNESCO, New Delhi</td>
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<td>Nalini Ranjan, Secretary of Culture, India</td>
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<td>Co-Chairs: Dr Reddy, Director, Salarjung Museum, Hyderabad and Prof. Amareswar Galla, Research</td>
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<td>School of Pacific &amp; Asian Studies, The Australian National University, Canberra, Australia</td>
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<td>Cultural Performance - Co-ordinated by Salarjung Museum, Hyderabad</td>
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<td>9:30-10:00</td>
<td>PLENARY SESSION 1</td>
<td>S. Gopalakrishnan, Deputy Managing Director and Chief Operating Officer, Infosys Technologies Ltd, India</td>
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<td>10:00-10:15</td>
<td>Introduction to Common Ground – Liam Magee</td>
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<td>10:15-10:30</td>
<td>MORNING TEA</td>
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<td>10:30-11:00</td>
<td>TALKING CIRCLE 1 - Who Are We?</td>
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<td>ROOM 1 Stream: Human Technologies and Useability</td>
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<td>ROOM 2 Stream: Technology in Community</td>
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<td>ROOM 3 Stream: Technology in Education</td>
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<td>ROOM 4 Stream: Knowledge and Technology</td>
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<td>11:00-12:00</td>
<td>GROUP 1: WORKSHOPS and PAPERS</td>
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<td>11:00-11:30 (30 min. papers) GROUP 1A</td>
<td>The Civil Right to Technology: Crossing the Digital Divide</td>
<td>Rethinking Knowledge Bearing Capacity e-Business Systems</td>
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<td>Prof. Sonia Katyal, School of Law, Fordham University, USA</td>
<td>Daniel Francois Botha, Department of Information Science Centre for Knowledge Dynamics and Decision</td>
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<td></td>
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<td>Overview: This paper explores the emergence of a new civil right to technology, and examines</td>
<td>Making University of Stellenbosch, University of Stellenbosch, South Africa</td>
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<td>how government intervention into the development of technology impacts the global free flow of</td>
<td>Overview: E-Business systems development could lead to dominant designs that extend the scope of</td>
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<td>information.</td>
<td>standardization whilst limiting the scope for system variation.</td>
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<td>11:30-12:00 (30 min. papers) GROUP 1B</td>
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<td>The Technological Tools in the Classroom: Listening to</td>
<td>Technology in Education</td>
<td>Teaching and Learning Technologies</td>
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<td>Prof. Ashton Nichols, Faculty Professor of Language</td>
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<td>Dr Carol Redfield, Computer Science Department, St. Mary's University, USA</td>
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<td>and Literature, Dickinson College, USA</td>
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<td>Overview: Teaching technologies are reviewed with an emphasis on computer-based instruction and</td>
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<td>Stream: Technology in Education</td>
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| ROOM 3 | Access to Scientific, Technical, and Medical Information in the Developing World: A Case Study in Puebla, Mexico  
Elaine Friedman, Department of Information Science & Policy, The University of New York at Albany, USA  
Overview: Access to ICTs and STM information is unevenly distributed in the developing world. Reasons for this unequal distribution are discussed and solutions to this problem are explored.  
Stream: Technology in Education | Globalization, TINA-to-TANA and the Software as a Power to the Knowledge Economy: An Indian Perspective  
Prof. Suash Deb, Dept of Computer Science & Engineering, National Institute of Science & Technology, India  
Overview: The Indian Software industry has created a niche for itself in the international market. This paper attempts to ascertain the reasons behind this software success.  
Stream: Knowledge & Technology |
| --- | --- |
| ROOM 4 | Use of Technology at School Level  
Dr Vijay Bhat, School of Applied Physics and Mathematics, Shri Mata Vaishno Devi University, India  
Overview: There has been a serious effort for so many years to get educational technology introduced in educational institutions.  
Stream: Technology in Education | Communicating in a Foreign Language: Speaking as a Web-based Activity  
Dr Olga Kagan, Language Resource Centre Department of Slavic Languages and Literatures, University of California, Los Angeles (UCLA), USA  
Overview: The paper will discuss the use of WIMBA to facilitate speaking. It will present students’ perceptions of using the web for practicing conversation.  
Stream: Technology in Education |
| ROOM 5 | Enhancing Cultural Studies through the Web Mode Publication  
Else R P Vieira, Department of Hispanic Studies, Queen Mary, University of London, United Kingdom  
Overview: Web potential to organize the artifacts and develop categories for emerging cultures  
Stream: Human Technologies &Useability | 11:00-12:00 WORKSHOPS (60 min. sessions) GROUP 1C |
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<th>ROOM 6</th>
<th>12:00-1:00 LUNCH</th>
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| 1:00-2:00 GROUP 2: WORKSHOPS and PAPERS | 1:00-1:30 (30 min. papers) GROUP 2A  
In-car Speech Systems for Older Adults: Can They Help and Does the Voice Matter?  
Dr Mary Zajicek, Department of Computing, Oxford Brookes University, United Kingdom  
Overview: The qualities of the voice used in in-car speech systems for older adults can significantly affect driving performance and acceptance.  
Stream: Human Technologies &Useability | 1:30-2:00 (30 min. papers) GROUP 2B  
Digital Storytelling Workshop: Technology for Human Use  
Dr Cathleen Londino, Dr Kristine Mirrer and Alexandra Wood, Center for International Studies, Kean University, USA  
Overview: A guide to establishing a university repository for multicultural programming.  
Stream: Human Technologies &Useability |
| ROOM 1 | Defining the Boundaries of the Digital Divide  
Dr Michel Nguessan, Governors State University Library, Governors State University, University Park, Illinois, USA  
Overview: This paper shows that the "digital divide" is formed by many lines that crisscross one another creating a multitude of ‘divides’, not just one.  
Stream: Technology in Community | Notes on the Role of the Arts in a Technocratic Culture: An Argument for a Poetry and Literature of Political Integrity  
Prof. Cory Brown, Writing Department, Ithaca College, USA  
Overview: A critique of the perception that Western art is counter-technocratic. I propose that the history of Western empiricism offers a wiser perspective.  
Stream: Technology in Community |
| ROOM 3 | Growing Large-scale Collaborative Organisms: Implementing an Open Source Collaborative Network in a Multi-disciplinary Creative Arts Institution  
*Mark Elliott, Centre for Ideas, Victorian College of the Arts, Australia*  
**Overview:** This paper shows that the "digital divide" is formed by many lines that crisscross one another creating a multitude of ‘divides’, not just one.  
*Stream: Technology in Education* | Ethnographic Action Research and ICTs for Development: Considering the Communicative Ecology  
*Dr Jo Tacchi, Creative Industries Research and Applications Centre, Queensland University of Technology, Australia*  
**Overview:** This paper presents ‘communicative ecologies’ as a conceptual framework for studying ICT4D. Ethnographic Action Research is a methodology developed over three years through implementation in community-based initiatives in South Asia.  
*Stream: Technology in Education* |
| --- | --- |
| ROOM 4 | Technology Assisted Economic Empowerment of Women: A Social Transformation Model  
*Dr Kavita Karan, Public and Promotional Communication, School of Communication and Information, Nanyang Technological University and Nanditha Das, Asian Media Information and Communication Centre, (AMIC)*  
**Overview:** The study evaluates the use of ICT’s for women's empowerment and development in four countries in working towards a model of best practices for e-entrepreneurship.  
*Stream: Knowledge & Technology* | Strategic Philanthropy by IT Companies: Comparison of Two Indian IT Services Firms  
*Dr Janis L. Gogan, Computer Information Systems Department, Bentley College, USA*  
**Overview:** How can companies whose business strategies center of effective use of information technologies best leverage that expertise in strategic philanthropy initiatives? We discuss two case examples  
*Stream: Knowledge & Technology* |
| ROOM 5 | An Exploratory Qualitative Study to Determine Factors Influencing the Adoption of Mobile Learning for Tertiary Education  
*Assoc. Prof. Raj Gururajan, Department of Information Systems, University of Southern Queensland, Australia*  
**Overview:** This study reports the preliminary results of a focus group discussion.  
*Stream: Technology in Education* | Speech Recognition in Public Speaking  
*Prof. Jill Hewitt, Carol Britton and Dorota Jagielska, School of Computer Science, University of Hertfordshire, United Kingdom*  
**Overview:** A system, "SpeakView" has been developed which provides real-time captions for live performance using speech recognition software. The paper describes the system, results of user trials and its future potential.  
*Stream: Human Technologies & Usability* |
| ROOM 6 | Global Modules: Building Cross-Cultural Understanding Through Virtual Communities  
*Dr Gary Scudder, Arts & Sciences and Dr Michelle Miller, Academic Affairs, Champlain College, USA*  
**Overview:** Using flexible online communities to enrich the classroom experience and facilitate greater interaction between students and faculty from around the world.  
*Stream: Technology in Education* | 1:00-2:00 WORKSHOPS (60 min. session) **GROUP 2C** |
| GARDEN | 1:00-2:00 **GARDEN SESSION 1** (60 min. session)  
**S. Gopalakrishnan, Deputy Managing Director and Chief Operating Officer, Infosys Technologies Ltd, India** |
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<th>Time</th>
<th>Session</th>
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<th>Speaker(s)</th>
<th>Institution</th>
<th>Overview</th>
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<td>2:00-3:00</td>
<td><strong>GROUP 3: WORKSHOPS and PAPERS</strong></td>
<td>ROOM 1</td>
<td>All the Colours of the Blogosphere?: Political Participation and Blogs Across Race, Gender and Ethnicity</td>
<td>Dr Antoinette Pole, The Taubman Center on Public Policy, Brown University, USA</td>
<td>Kentucky, USA</td>
<td>This paper examines the impact of blogging on political participation in the context of race, gender and ethnicity.</td>
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<td>ROOM 2</td>
<td>Lessons Learned from Incorporating Online Content to Chemistry Courses</td>
<td>Dr Kuruvilla Zachariah, Chemistry/Business, Ohio University Eastern, USA</td>
<td>Ohio, USA</td>
<td>This presentation enumerates the lessons learned and the technological challenges faced while developing and teaching the course on Leadership in a blended learning format.</td>
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<td>ROOM 3</td>
<td>Communities of Practice For Sharing Knowledge: An eLearning Context</td>
<td>Trevor Nesbit, School of Computing and School of Business, Christchurch Polytechnic Institute of Technology, New Zealand</td>
<td>New Zealand, Christchurch Polytechnic Institute of Technology, New Zealand</td>
<td>This paper applies the concepts of a community of practice (COP) to an eLearning environment with a view to exploring its appropriateness and usefulness in this context.</td>
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<td>ROOM 4</td>
<td>Developing a Reconfigurable Command and Control System for a Large Wall Display</td>
<td>Dr Damian Green, School of Design and Engineering, Brunel University, United Kingdom</td>
<td>United Kingdom, Brunel University</td>
<td>The paper discusses some of the issues around creating a large wall display system for command and control and the problems that arise.</td>
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<td>ROOM 5</td>
<td>The Politics of Information: Access, Excess and Articulation</td>
<td>Tripta Chandola, Queensland University of Technology, Australia</td>
<td>Queensland, Australia</td>
<td>Through the research insights of field work in two sites, an urban and a rural site, the paper will investigate the modes of creating, circulating, accessing and controlling information.</td>
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<td>2:00-3:00</td>
<td><strong>GROUP 3A</strong> (30 min. papers)</td>
<td>ROOM 1</td>
<td>Dear Anonymous: Disembodiment as a Pedagogical Tool</td>
<td>Annabel Beckenham, School of Professional Communication, University of Canberra, Australia</td>
<td>Australia, Canberra, Australia</td>
<td>Radio has turned to be quite effective as a new advertising media.</td>
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<td>2:30-3:00</td>
<td><strong>GROUP 3B</strong> (30 min. papers)</td>
<td>ROOM 2</td>
<td>How Popular is Radio amongst Youth?</td>
<td>Dr Rajesh Srivastava, Marketing, Simsr, India</td>
<td>India, Simsr, Australia</td>
<td>Overview: Radio has turned to be quite effective as a new advertising media.</td>
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<td>ROOM 3</td>
<td>The Changing Technology in Photography: How Digital Photography Is Changing Our Curriculum</td>
<td>Barbara Houghton, Department of Art, and Gary Pratt, Information Technology, Northern Kentucky University, USA</td>
<td>USA, Northern Kentucky University, USA</td>
<td>With the rapid influx of digital cameras, photography programs have to quickly retool curriculum to keep up with the technology. Traditional processes in wet darkrooms are becoming obsolete.</td>
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<td>ROOM 4</td>
<td>The Delphi Project: The Implications of Health Data Linkages</td>
<td>Gavin Giles, and Vijaya Chevendra, The University of Western Ontario, Centre for Studies in Family Medicine, Canada</td>
<td>Canada, Western Ontario, Canada</td>
<td>Lessons learned from a primary care research project will be presented and discussed with respect to their societal impact.</td>
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<td>ROOM 5</td>
<td>A Framework For Mobile Agents</td>
<td>Kapil Aggarwal, Department of Computer Science &amp; Electronics, Banashthali Vidyapith (Deemed University), India</td>
<td>India, Banashthali Vidyapith (Deemed University), India</td>
<td>Mobile agent systems have received important attention in the last years as a new programming paradigm for widely distributed and heterogeneous systems.</td>
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<td>2:00-3:00</td>
<td><strong>GROUP 3C</strong> (60 min. session)</td>
<td>ROOM 6</td>
<td>A Technology Workshop with a Difference: Pop-Up Engineering Technology and Geometric Concepts</td>
<td>Vivekanand Mohan-Ram, School of Education, Charles Darwin University, Australia</td>
<td>Australia, Charles Darwin University</td>
<td>Overview: We present the results of the investigation carried out on the effects of Extreme Programming (agile software development methodology) on software quality through simulation of software development process.</td>
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<td>3:00-3:30</td>
<td><strong>AFTERNOON TEA</strong></td>
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<td>3:30-4:00</td>
<td><strong>PLENARY SESSION 2</strong></td>
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<td>Genevieve Bell, Senior Researcher, Intel Research, USA</td>
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### DAY 2: Tuesday 13 December

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<td>9:00-9:30</td>
<td>PLENARY SESSION 3</td>
<td>Bridging the Technology Gap: A Case Study from Rural/Bush Alaska</td>
<td>Digital Printing: Is It Supplanting Conventional Printing Processes</td>
<td>The Popularity of Satellite Radio Among College Students</td>
<td>The World As Classroom: International Development Education</td>
<td>Race, Labour, and Technology in the Cane Fields: Documenting the Louisiana Sugar Harvest</td>
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<td>9:30-10:30</td>
<td>GROUP 4: WORKSHOPS and PAPERS</td>
<td><strong>Dr Steven Dinero</strong>, School of Liberal Arts, Philadelphia University, USA</td>
<td><strong>Dr Mohamed Rawoof</strong>, Corporate Quality Management, Six Sigma Implementation and Supplier Quality Management, USA</td>
<td><strong>Larry Ling-hsuan Tung and Mark Boutros</strong>, Department of Media &amp; Film, Kean University, USA</td>
<td><strong>Dr Anthony Marcus</strong>, School of International Development, Melbourne University Private, Australia</td>
<td><strong>Dr Richard Follett</strong>, Department of American Studies, University of Sussex, Brighton, United Kingdom</td>
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<td>(30 min. papers) GROUP 4A</td>
<td><strong>Overview:</strong> Using results from a project in Native Alaska, this paper addresses how I.T. can be used in indigenous environments in order to benefit those who are the “victims” of globalization.</td>
<td><strong>Overview:</strong> Six Sigma, a continual quality improvement tool, may also be used for developing technology for commercial products. Application of strategic Six Sigma methodology will be discussed through a case study.</td>
<td><strong>Overview:</strong> A study on the consumer patterns of satellite radio among American college students.</td>
<td><strong>Overview:</strong> A case study on teaching and learning in internet based PhD and Masters programs in International Development</td>
<td><strong>Overview:</strong> This proposal introduces delegates to a new tool in economic and social history</td>
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<td>10:00-10:30 (30 min. papers) GROUP 4B</td>
<td><strong>Stream:</strong> Human Technologies &amp; Usability</td>
<td><strong>Stream:</strong> Human Technologies &amp; Usability</td>
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<td><strong>Prof. Manfred Breede</strong>, Ryerson University Faculty of Communication &amp; Design, School of Graphic Communications Management, Germany</td>
<td><strong>Prof. Abdulmajid Mohaamed</strong>, Dept of Computer Science, International Islamic University, Malaysia</td>
<td><strong>Sonia Nazareth</strong>, New Media, Comet Media Foundation, Australia</td>
<td><strong>Dr Wan Ng</strong>, School of Educational Studies, La Trobe University, Australia</td>
<td><strong>How &quot;American&quot; is the Internet?</strong> <strong>Prof. William Marling</strong>, Department of English Department of Modern Languages and Literatures, Case Western Reserve University, USA</td>
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| 9:30-10:30   | ROOM 1       | Technology in the Classroom: Provoking Thought and Change in Pedagogy  
Dr Mary Rizza, Dr William Morrison, Richard Wilson and Colleen Mandell, School of Intervention Services, Bowling Green State University, USA  
Overview: This session will address issues and implications to using technology in university-based teacher education programs.  
Stream: Technology in Education |
| 9:30-10:30   | GARDEN       | GARDEN SESSION 2 (60 min. session)  
Genevieve Bell, Senior Researcher, Intel Research, USA |
| 10:30-10:45  |              | MORNING TEA |
| 10:45-12:15  | GROUP 5A     | Minimum Vertex Cover Problem Optimisation Using Hopfield Neural Network: Graph Theory Problem Optimisation  
Prof. Pravinkumar Kamde  
Computer Engineering Department, Sinhgad College of Engineering, India  
Overview: Efficient technique implemented to map minimum vertex cover onto Hopfield network. Systematic way of deriving energy function is implemented. Based on this relationship, NP-Complete problem can be solved by NN.  
Stream: Human Technologies &Useability |
| 10:45-11:15  | GROUP 5A     | Pairing Up My Scripts® Handwriting Recognition Software with the Logitech® io™ Digital Pen in Dual Language Use  
Dr Marie J. Myers, Faculty of Education, Queen’s University, Canada  
Overview: Penmanship and the question of transfer from handwritten language to the printed conversion using MyScripts® handwriting recognition software in French and English will be explored.  
Stream: Human Technologies &Useability |
| 11:15-11:45  | GROUP 5B     | Closing the Gap Between Art and Life: Digital Art as Discursive Framework  
John Byrne, Department of Contextual Studies, Liverpool School of Art and Design, Liverpool John Moores University, United Kingdom  
Overview: This paper discusses the contemporary effects which digital technologies are having on the traditional relationships between art and everyday culture.  
Stream: Technology in Community |
| 11:15-11:45  | GROUP 5B     | Blogging as New Media: Preferential, Negotiable, and Oppositional Coverage by the US Journalism  
Saswat Pattanayak, College of Journalism, University of Maryland, USA  
Overview: Blogging technology poses new challenges as well as opportunities to journalism in the US.  
Stream: Human Technologies &Useability |
| 11:15-11:45  | GROUP 5B     | Virtual Volunteering and Community Webs  
Philip Marriott, School of Communication, Information, and New Media, University of South Australia, Australia  
Overview: This paper is a review of recent Virtual Volunteer Projects worldwide. It then reports on a South Australian study involving young Virtual Volunteers working with community groups.  
Stream: Technology in Community |
| 10:45-11:15  | GROUP 5A     | Building 'Riverbend': An Interdisciplinary Virtual Fieldsite for Training Social Science Practitioners  
Dr Lesley Jolly, Behavioural Studies School of Social Work and Applied Human Sciences, University of Queensland, Australia  
Overview: This paper describes the effect of developing an interdisciplinary online fieldsite on curriculum planning and student response.  
Stream: Technology in Education |
| 11:15-11:45  | GROUP 5B     | The Art and Design Postgraduate Network: Delivering a Practice Based Research Programme to Regional Communities  
Assoc. Prof. Joseph Frances, Postgraduate Studies School of Art & Design, Auckland University of Technology, New Zealand  
Overview: This paper considers a model developed for delivering a practice based art & design postgraduate research programme - The Art & Design Postgraduate Network (ADPGN).  
Stream: Technology in Education |
| 11:15-11:45  | GROUP 5C     | Integrating E-learning into an Australian Post-graduate Nursing Program  
Aruna Akkireddi, Nursing and Midwifery, RMIT University, Australia  
Overview: The integration of e-learning into the RMIT Post-graduate nursing program will be discussed. Students' and staff perspectives in relation to e-learning and teaching will included.  
Stream: Technology in Education |

<table>
<thead>
<tr>
<th>Time</th>
<th>Room 4</th>
<th>Room 5</th>
<th>Room 6</th>
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</thead>
<tbody>
<tr>
<td>10:45-11:15</td>
<td>Engendering Information Technology in India for Social Transformation</td>
<td>Information, Noise and Media</td>
<td>Power Line Communication Systems For Rural Areas: Benefits and Challenges</td>
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<td></td>
<td>Prof. Rekha Pande, Centre for Women's Studies and Directorate of Women's Education, Maulana Azad National Urdu University, India</td>
<td>Michel Serres, Sociology and Humanities, Memorial University of Newfoundland, Canada</td>
<td>Poobalan Govender, Faculty of Engineering Science and the Built Environment, Durban Institute of Technology, South Africa</td>
</tr>
<tr>
<td>Overview:</td>
<td>This paper attempts to look at how information technology in India can be engendered.</td>
<td>The analysis of noise in communication shows us how the context, or environment of communication plays a role in the meaning of messages.</td>
<td>The power line network in South Africa can be adapted to carry high frequency broadband signals to remote rural areas of the country.</td>
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<tr>
<td>Stream:</td>
<td>Technology in Community</td>
<td>Knowledge &amp; Technology</td>
<td>Knowledge &amp; Technology</td>
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<tr>
<td>Room 5A</td>
<td>The Politics of Health Information and Accountability: An Ethnographic Study of Health Information System Projects in India</td>
<td>The Zone of Interaction: Investigating the Relationship Between Visual Art and Its Audience</td>
<td>The Design of an Electro-oculogram (EOG) Based Assistive Computer System for the Rehabilitation of Severely Disabled People</td>
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<td>Ranjini Raghavendra, Institute of Womens Studies, Lancaster University, United Kingdom</td>
<td>Janine Catherine Sager, College of Arts, Education and Social Sciences Department of Humanities, The University of Western Sydney, Australia</td>
<td>Tapan Gandhi, Centre for Biomedical Engineering, Indian Institute of Technology, India</td>
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<tr>
<td>Overview:</td>
<td>This paper investigates the relationship between health information, accountability and the process of implementing health information systems in primary healthcare sector in rural India.</td>
<td>Defining a specific space then observing and analysing the inhabitants response to that space provides an understanding of subliminal behaviours within an interactive environment.</td>
<td>This is a EOG based assistive devices for the rehabilitation of physically challenged people.</td>
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<tr>
<td>Stream:</td>
<td>Technology in Community</td>
<td>Knowledge &amp; Technology</td>
<td>Human Technologies &amp; Usability</td>
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<tr>
<td>Room 5B</td>
<td>Quality, Reliability &amp; Usability of Biomedical Information on the Internet: Where Do We Stand Now?</td>
<td>Artificial Nose For Detecting Disease</td>
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<td>Dr Nabeel Mk, Dept of Orthopaedics, Academy of Medical Sciences, India</td>
<td>Amuthan Arjunan, Department of Computer Science &amp; Engineering And Information Technology, Pondicherry University, India</td>
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<tr>
<td>Overview:</td>
<td>This paper addresses the growing concern on the quality, reliability, appropriateness &amp; overall usability of the vast resources of information available in the biomedical domain on the internet.</td>
<td>Objective is to produce methods of instrumental logic and software for detection disease in real life situations with the use of Artificial Neural Networks.</td>
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<td>Stream:</td>
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<td>Knowledge &amp; Technology</td>
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<td>Room 5C</td>
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<td>12:15-1:15 LUNCH</td>
<td>12:15-1:15 LUNCH</td>
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<td>Time</td>
<td>GROUP 6: PAPERS</td>
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<td>1:15-2:15</td>
<td><strong>GROUP 6: PAPERS</strong></td>
<td><strong>GROUP 6A</strong></td>
<td><strong>GROUP 6B</strong></td>
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<td>1:15-1:45</td>
<td><strong>GROUP 6: PAPERS</strong></td>
<td><strong>GROUP 6A</strong></td>
<td><strong>GROUP 6B</strong></td>
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<tr>
<td>ROOM 1</td>
<td><strong>Design Involvement into the View-Through Behaviour on the Web Advertising</strong></td>
<td><strong>Location Aided Services for Mobile Communications</strong></td>
<td><strong>Location Aided Services for Mobile Communications</strong></td>
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<td>Prof. Myung Hue Park, Department of Design</td>
<td><strong>Venkata Krishna Parimala, Vellore Institute of Technology, India</strong></td>
<td><strong>Venkata Krishna Parimala, Vellore Institute of Technology, India</strong></td>
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<td>School of Arts, California State University, Sacramento, USA</td>
<td><strong>Overview:</strong> The main aim of the paper is to provide some</td>
<td><strong>Overview:</strong> The main aim of the paper is to provide some</td>
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<td><strong>Overview:</strong> This study was to identify the performance of design in the Web</td>
<td>Location Based services to clients of a mobile network.</td>
<td>Location Based services to clients of a mobile network.</td>
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<td>advertising—the design variables that attract audience to brand</td>
<td><strong>Stream:</strong> Human Technologies &amp; Useability</td>
<td><strong>Stream:</strong> Human Technologies &amp; Useability</td>
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<td>identity, message readership and induce the intent of view-through.</td>
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<td><strong>Stream:</strong> Human Technologies &amp; Useability</td>
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<td>Dr Ernest Johnson, School of Business</td>
<td><strong>Dr Cheryl Matherly, Office of International Programs,</strong></td>
<td><strong>Dr Cheryl Matherly, Office of International Programs,</strong></td>
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<td>Administration, University of Regina, Canada</td>
<td>J. Patrick Frantz, Department of Electrical and</td>
<td>J. Patrick Frantz, Department of Electrical and</td>
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<td><strong>Overview:</strong> Several different definitions have been reported and various</td>
<td>Computer Engineering, Stacey Turner, Industrial and</td>
<td>Computer Engineering, Stacey Turner, Industrial and</td>
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<td>components and other characteristics of Internet privacy are highlighted</td>
<td>Organizational Psychology and Debbie Gulick</td>
<td>Organizational Psychology and Debbie Gulick</td>
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<td>based on literature.</td>
<td><strong>Georgia Institute of Technology, USA</strong></td>
<td><strong>Georgia Institute of Technology, USA</strong></td>
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<td><strong>Stream:</strong> Technology in Community</td>
<td><strong>Overview:</strong> Researchers will present a case study of the</td>
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<td><strong>Stream:</strong> Technology in Community</td>
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<td>and make recommendations for educating students about engineering in</td>
<td>and make recommendations for educating students about engineering in</td>
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<td>a global and societal context.</td>
<td>a global and societal context.</td>
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<td>ROOM 3</td>
<td><strong>Empowerment and Impact of Computer Education among Mumbai Muslim Youth</strong></td>
<td><strong>A Virtual Environment for Cultural and Linguistic</strong></td>
<td><strong>A Virtual Environment for Cultural and Linguistic</strong></td>
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<td>Farida Umrani and Prof. Rehana Ghadially Department of Humanities and Social</td>
<td><strong>Inclusivity: Teaching in a Global Environment</strong></td>
<td><strong>Inclusivity: Teaching in a Global Environment</strong></td>
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<td>Sciences, Indian Institute of Technology Bombay, India</td>
<td><strong>Richard Johnson and Dr Paul Nicholson, Senior</strong></td>
<td><strong>Richard Johnson and Dr Paul Nicholson, Senior</strong></td>
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<td><strong>Overview:</strong> The present study explores gender differences in the various</td>
<td>Lecturers, Faculty of Education, Deakin University, Australia</td>
<td>Lecturers, Faculty of Education, Deakin University, Australia</td>
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<td>facets of empowerment resulting from computer education and differences in</td>
<td><strong>Overview:</strong> This paper is about a project that uses</td>
<td><strong>Overview:</strong> This paper is about a project that uses</td>
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<td>access, value added skills and perceived practical values of the Internet</td>
<td>Information and communication technologies in a virtual</td>
<td>Information and communication technologies in a virtual</td>
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<td><strong>Stream:</strong> Technology in Education</td>
<td>environment where students can communicate in their own language in</td>
<td>environment where students can communicate in their own language in</td>
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<td>text and audio.</td>
<td>text and audio.</td>
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<td>ROOM 4</td>
<td><strong>Knowledge and Experience: Requirements for Computer-Based Learning Taking a</strong></td>
<td><strong>Effects of Blended Online Learning on Students</strong></td>
<td><strong>Effects of Blended Online Learning on Students</strong></td>
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<td>Paper Mill as an Example**</td>
<td><strong>Performance in Vocational Mathematics</strong></td>
<td><strong>Performance in Vocational Mathematics</strong></td>
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<td>**Prof. Christina Schachtner, Institute for Media and Communication Studies,</td>
<td><strong>Syed Hasan Javed, Centre for Student Learning,</strong></td>
<td><strong>Syed Hasan Javed, Centre for Student Learning,</strong></td>
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<td>University of Klagenfurt, Austria**</td>
<td><strong>Victoria University of Technology, Australia</strong></td>
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<td><strong>Overview:</strong> Based on a study in a paper mill this lecture looks at the</td>
<td><strong>Overview:</strong> This presentation reports on a study</td>
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<td>relevance of experience and intuition in the work place and at its consequences</td>
<td>conducted at the Victoria University TAFE where a mathematics module</td>
<td>conducted at the Victoria University TAFE where a mathematics module</td>
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<td>for computer-based learning</td>
<td>was offered to students in an on campus delivery setting.</td>
<td>was offered to students in an on campus delivery setting.</td>
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<td>ROOM 5</td>
<td><strong>Employee Knowledge, Skills, Abilities, and Other Characteristics: Expectations</strong></td>
<td><strong>Knowledge, Work and Accountability in Organizations: Case Study of a</strong></td>
<td><strong>Knowledge, Work and Accountability in Organizations: Case Study of a</strong></td>
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<td>of Industries**</td>
<td>Software Company in Hyderabad**</td>
<td>Software Company in Hyderabad**</td>
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<td>**Dr Shukran Abd. Rahman, Alumni and Career Services Division, International</td>
<td><strong>Nagalakshmi Chelluri, Research Student, University of</strong></td>
<td><strong>Nagalakshmi Chelluri, Research Student, University of</strong></td>
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<td>Islamic University Malaysia (IIUM), Malaysia**</td>
<td>Hyderabad, India</td>
<td>Hyderabad, India</td>
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<td><strong>Overview:</strong> This paper addresses the link between technology, knowledge, and</td>
<td><strong>Overview:</strong> Mechanisms of accountability in a software producing</td>
<td><strong>Overview:</strong> Mechanisms of accountability in a software producing</td>
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<td>individuals in society. It presents the desirable qualities of employee in</td>
<td>industry are different from those in conventional industries, with</td>
<td>industry are different from those in conventional industries, with</td>
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<td>different industrial sectors, including those in</td>
<td>varying degrees of accountability across different types of projects,</td>
<td>varying degrees of accountability across different types of projects,</td>
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<td>science and technology sectors.</td>
<td>project leaders and companies.</td>
<td>project leaders and companies.</td>
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<tr>
<td>Room 1</td>
<td>GROUP 7A</td>
<td>Outsourcing as a Competitive Strategy: An Empirical Investigation</td>
<td>Dr Damodar Golhar, Department of Management, Haworth College of Business, Western Michigan University, USA. This study examines the relationship between outsourcing and competitiveness of the U.S. manufacturing firms. The survey data from 90 firms are analyzed to investigate manufacturing related issues.</td>
</tr>
<tr>
<td>Room 2</td>
<td>GROUP 7A</td>
<td>Mail Art: Networking without Technology.</td>
<td>Seeta Peha Gangadharan, Department of Communication, Stanford University, USA. An historical investigation into the way art has impacted digital technology.</td>
</tr>
<tr>
<td>Room 3</td>
<td>GROUP 7A</td>
<td>A Conceptual Framework for Investigating the Nature and Influence of (Meta) Cognition in Primary School Students’ Concept Formation Processes Through the Use of PDAs</td>
<td>Dr Howard Nicholas and Dr Win Ng, School of Educational Studies, La Trobe University, Australia. This paper will elaborate a means for tracking concept development in young children as they use Personal Digital Assistants in primary school classrooms in Australia.</td>
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<tr>
<td>Room 4</td>
<td>GROUP 7A</td>
<td>The SWIRL Project and Talking Books: Construction of Meaning</td>
<td>Lawrence Mahon, School of Education Faculty of Arts, Education and Human Development, Victoria University, Australia. Story Writing In Remote Locations (SWIRL) has assisted remote Aboriginal Communities to document contemporary and traditional stories for use as literacy learning tools for their children.</td>
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<tr>
<td>Room 5</td>
<td>GROUP 7A</td>
<td>Internet Use in Andhra Pradesh, India: A Study</td>
<td>Dr Vijuayalakshmi Peddiboyina, Dept of Communication &amp; Journalism, Sri Padmaavathi Mahila Visvavidyalayam, India.</td>
</tr>
<tr>
<td>Room 1</td>
<td>GROUP 7B</td>
<td>Digital Art as a Critical Rendering of Human-Computer Interaction</td>
<td>Melissa D. Milton-Smith, School of Media, Film and Theatre, University of New South Wales, Australia. A novel form of Human-Computer Interaction, digital art has revolutionized cultural interactions. With an ability to transcend boundaries, its expressions conjure the sublime, as they engage with globalization's affects.</td>
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<tr>
<td>Room 2</td>
<td>GROUP 7B</td>
<td>Adolescent Internet Users in Greece: A Current Scenario.</td>
<td>Fenia Frangoulidou, Department of Education and Philosophy Faculty of Education, Aristotle University, Greece. The paper discusses the kind of effects Internet has on teens’ psychosocial development.</td>
</tr>
<tr>
<td>Room 3</td>
<td>GROUP 7B</td>
<td>A Cross-national Comparison of Gender, ICT Use and Academic Achievement among Secondary Students</td>
<td>Dr Victor Thiessen, Dept. of Sociology and Social Anthropology, Dalhousie University, Canada. Using PISA 2000 data on 26 countries, similarities and differences between countries on the effect of educational computer use on achievement tests is examined.</td>
</tr>
<tr>
<td>Room 4</td>
<td>GROUP 7B</td>
<td>Brain Drain or Gain: An Alternative Theory of Development Using Case Studies from USA and India</td>
<td>Anjali Sahay, Old Dominion University, Norfolk, VA, USA. Primarily I am looking at how the Brain Drain from India has converted into a gain for the sending country. This has been either through return or the Diaspora options.</td>
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<td>Room 5</td>
<td>GROUP 7B</td>
<td>Real &quot;Jurassic Park&quot; Technology: Contemporary Cloning of Extinct and Endangered Animals</td>
<td>Dr Eileen Crist, Department of Science and Technology in Society, Virginia Tech, USA. Jurassic Park technology - resurrecting species through cloning -is becoming a scientific reality. I examine technical, habitat, and ethical issues surrounding this recent technological development.</td>
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Shri S Jaipal Reddy, Honourable Minister for Culture and Urban Development, India.
### DAY 3: Wednesday 14 December

**SECRETARIAT/REGISTRATION DESK OPEN FROM 8:00AM**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Room</th>
<th>Title</th>
<th>Presenter(s)</th>
<th>Institution</th>
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<tbody>
<tr>
<td>9:00-9:30</td>
<td><strong>PLENARY SESSION 5</strong></td>
<td></td>
<td><strong>Stream: Knowledge &amp; Technology</strong></td>
<td><strong>Overview:</strong> Knowledge makes the society perfect. It helps to update and civilize the society. The rapid change can be possible through modern technology.</td>
<td><strong>Dr Veena Bansal</strong>&lt;br&gt;Indian Institute of Technology Kanpur, India</td>
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<td><strong>Role of Knowledge in the Society: Libraries are the Source of Knowledge</strong></td>
<td><strong>Overview:</strong> Knowledge makes the society perfect. It helps to update and civilize the society. The rapid change can be possible through modern technology.</td>
<td><strong>Muhammad Shafiq</strong>&lt;br&gt;UNITEC Institute of Technology, New Zealand</td>
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<td>9:30-10:30</td>
<td><strong>GROUP 8: PAPERS</strong></td>
<td>ROOM 1</td>
<td><strong>Web Documents Evaluation, Rating and Certification</strong></td>
<td><strong>Overview:</strong> Information available on the web is of varied quality. We propose a system to evaluate web contents for the quality of information contained therein.</td>
<td><strong>Dr Reuven Aviv</strong>&lt;br&gt;Chais Research Center&lt;br&gt;Open University of Israel, Israel</td>
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<td>ROOM 2</td>
<td><strong>Development of Information Technology Outsourcing Practice and its Utilisation</strong></td>
<td><strong>Overview:</strong> A paper tracing the history of outsourcing information technology as it has developed over the last 15 years, with discussion about the implications for organisations</td>
<td><strong>Shaneel Shaieshkar Narayan</strong>&lt;br&gt;School of Computing and Information Technology, UNITEC</td>
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<td><strong>The Role of Knowledge in the Society: Libraries are the Source of Knowledge</strong></td>
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<td><strong>Muhammad Shafiq</strong>&lt;br&gt;UNITEC Institute of Technology, New Zealand</td>
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<td><strong>Underlying Mechanisms of Internet-Based Discussions: A Network Analysis Approach</strong></td>
<td><strong>Overview:</strong> Network features of responsiveness of 95 online discussions are compared to predictions of Random Graph Model to reveal the underlying mechanisms of the online discussions</td>
<td><strong>Dr Reuven Aviv</strong>&lt;br&gt;Chais Research Center&lt;br&gt;Open University of Israel, Israel</td>
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<td><strong>A Suitability of Genetic Algorithm for Multidimensional Data Clustering</strong></td>
<td><strong>Overview:</strong> Genetic Algorithms are optimization methods that do not use domain-specific knowledge in their search procedure.</td>
<td><strong>M Punithavalli</strong>&lt;br&gt;Sri Ramakrishna College of Arts &amp; Science for Women, India</td>
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<td><strong>ICT and Development in Tanzania: A Matter of Priorities</strong></td>
<td><strong>Overview:</strong> Fieldwork was conducted in Tanzania to assess, on the ground of a least developed country, how Information Communication Technology (ICT) could be best utilized for development needs.</td>
<td><strong>Karen Kaun</strong>&lt;br&gt;Education and Technology, Knowledge iTrust, USA</td>
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<td><strong>Determination of Malnutrition among Children in India</strong></td>
<td><strong>Overview:</strong> The paper documents the level of child malnutrition in India using a national level survey carried out in the late 1990s.</td>
<td><strong>Dr Dharmalingam Arunchalam</strong>&lt;br&gt;Department of Societies and Cultures University of Waikato, University of Waikato, New Zealand</td>
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<td><strong>The Parallels Between Eastern Mysticism and Western Science: What Should They Tell Us?</strong></td>
<td><strong>Overview:</strong> A analysis of popular comparative analysis of Eastern Mysticism and Western science. Critical analysis of the application of Khunian paradigm shift concept to understand the putative shift in Western science.</td>
<td><strong>Dr Eduardo Wilner</strong>&lt;br&gt;Department of Philosophy, University of Alaska Fairbanks, USA</td>
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<td><strong>Community Internet Project: Service Learning in an Emerging Communication Technology Course</strong></td>
<td><strong>Overview:</strong> This paper provides a case study of a service-learning project in which students promoted public-service municipal wireless internet within their community.</td>
<td><strong>Dr Michael Karlberg</strong>&lt;br&gt;Department of Communication, Western Washington University, USA</td>
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<td><strong>Enablers of the Indian Software Industry 1966-2003: An Ecological Analysis of the Factors that Made a Difference</strong></td>
<td><strong>Overview:</strong> This paper is a longitudinal quantitative analysis of the organizational creation rates of Indian Software firms from 1966 to 2003 and the key determinants underlying this dynamic.</td>
<td><strong>Prof. Ramkrishnan V. Tenkasi</strong>&lt;br&gt;Management &amp; Organizational Behaviour College of Business, Technology, &amp; Professional Programs, Benedictine University USA</td>
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**GROUP 8A**

- Web Documents Evaluation, Rating and Certification<br>Dr Veena Bansal, Indian Institute of Technology Kanpur, India<br><br>Overview: Information available on the web is of varied quality. We propose a system to evaluate web contents for the quality of information contained therein. Stream: Human Technologies & Usability

- Development of Information Technology Outsourcing Practice and its Utilisation<br>Shaneel Shaieshkar Narayan, UNITEC Institute of Technology, New Zealand<br><br>Overview: A paper tracing the history of outsourcing information technology as it has developed over the last 15 years, with discussion about the implications for organisations. Stream: Technology in Community

- The Role of Knowledge in the Society: Libraries are the Source of Knowledge<br>Muhammad Shafiq, UNITEC Institute of Technology, New Zealand<br><br>Overview: Knowledge makes the society perfect. It helps to update and civilize the society. The rapid change can be possible through modern technology. Stream: Knowledge & Technology

- Underlying Mechanisms of Internet-Based Discussions: A Network Analysis Approach<br>Dr Reuven Aviv, Chais Research Center, Open University of Israel, Israel<br><br>Overview: Network features of responsiveness of 95 online discussions are compared to predictions of Random Graph Model to reveal the underlying mechanisms of the online discussions. Stream: Technology in Education

- A Suitability of Genetic Algorithm for Multidimensional Data Clustering<br>M Punithavalli, Sri Ramakrishna College of Arts & Science for Women, India<br><br>Overview: Genetic Algorithms are optimization methods that do not use domain-specific knowledge in their search procedure. Stream: Knowledge & Technology

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**GROUP 8B**

- ICT and Development in Tanzania: A Matter of Priorities<br>Karen Kaun, Knowledge iTrust, USA<br><br>Overview: Fieldwork was conducted in Tanzania to assess, on the ground of a least developed country, how Information Communication Technology (ICT) could be best utilized for development needs. Stream: Technology in Community

- Determinants of Malnutrition among Children in India<br>Dr Dharmalingam Arunchalam, University of Waikato, New Zealand<br><br>Overview: The paper documents the level of child malnutrition in India using a national level survey carried out in the late 1990s. Stream: Technology in Community

- The Parallels Between Eastern Mysticism and Western Science: What Should They Tell Us?<br>Dr Eduardo Wilner, University of Alaska Fairbanks, USA<br><br>Overview: A analysis of popular comparative analysis of Eastern Mysticism and Western science. Critical analysis of the application of Khunian paradigm shift concept to understand the putative shift in Western science. Stream: Knowledge & Technology

- Community Internet Project: Service Learning in an Emerging Communication Technology Course<br>Dr Michael Karlberg, Western Washington University, USA<br><br>Overview: This paper provides a case study of a service-learning project in which students promoted public-service municipal wireless internet within their community. Stream: Technology in Community

- Enablers of the Indian Software Industry 1966-2003: An Ecological Analysis of the Factors that Made a Difference<br>Prof. Ramkrishnan V. Tenkasi, Benedictine University USA<br><br>Overview: This paper is a longitudinal quantitative analysis of the organizational creation rates of Indian Software firms from 1966 to 2003 and the key determinants underlying this dynamic. Stream: Knowledge & Technology
<table>
<thead>
<tr>
<th>Time</th>
<th>Group</th>
<th>Session</th>
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<tr>
<td>09:30-10:45</td>
<td>MORNING TEA</td>
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| 10:45-12:15| GROUP 9: PAPERS | Social Intelligence and Virtual Characters: Effects on the Individual in Society
|            |         | **Prof. Gregory Garvey**, Department of Computer Science and Interactive Digital Design, Quinnipiac University, USA
|            | ROOM 1  | **Overview:** Virtual characters are programmed with social intelligence and emotional responsiveness enhanced with commonsense knowledge domains. How might they redefine our conception of ourselves, others and society? **Stream: Human Technologies &Useability** |
| 10:45-11:15|         | DhwanisWeb: Web-based Linked Audio-text Player
|            |         | **Sayan Chakraborty**, University of North Carolina at Chapel Hill, USA
|            |         | **Overview:** This paper presents a web-based open-source operating system-independent and browser independent software system to allow playback of audio synchronized to time stamped text. **Stream: Human Technologies &Useability** |
| 11:15-11:45| GROUP 9B | Re-Engineering the Information Technology Curricula For the Knowledge-Driven Society: A Necessary and Relevant Core Competencies-Based Model
|            |         | **Dr Raja Iyer**, College of Business Administration, Tarleton State University, Stephenville, Texas, USA
|            |         | **Overview:** This paper presents constructs and prescriptive models for re-engineering the IT curricula aimed at necessary and relevant IT-related core competencies to meet challenges and requirements for knowledge-driven enterprises and society. **Stream: Technology in Education** |
| 11:45-12:15| GROUP 9C | If Learning Programming Depends on Logic and Logic Depends on Language, Does Learning Programming Depend on Language?
|            |         | **Christine Prasad**, School of Computing and Information Technology, Unitec New Zealand, New Zealand
|            |         | **Overview:** Case study exploring the relationship between language, logic and learning computer programming. **Stream: Technology in Education** |
| 10:45-11:15| (30 min. papers) | Imagining Malignancy: Tales on Cancer Survivor Networks
|            | ROOM 2  | **Dr Sarma Cvs**, Dept of Communication, University of Hyderabad, India
|            |         | **Overview:** Descriptions of malignancy on the internet. **Stream: Technology in Community** |
| 11:15-11:45| (30 min. papers) | Using Radio Frequency Identification Technology (RFID) for Tracking Tools on a Construction Job Site
|            |         | **Anoop Sattineni**, Department of Building Science, Auburn University, USA
|            |         | **Overview:** This paper describes the use of radio frequency identification technology for tracking tools on a construction jobsite. Results of a field study done for this purpose will be presented. **Stream: Technology in Community** |
| 11:45-12:15| (30 min. papers) | Understanding the Public and the Private in Community Health Information: The Case of ThePlaceToBe.net
|            |         | **Elizabeth J. Cardno**, Computing, Mathematical and Information Sciences, University of Brighton, United Kingdom
|            |         | **Overview:** A case study of a community health information initiative reveals multiple lessons when public and private interests are involved in the goal to increase access to quality, electronic health information, locally. **Stream: Technology in Community** |
| 10:45-11:15| (30 min. papers) | Designing a Web Based Teaching and Learning Mathematics Course from a Psycho-Socio Perspective for Tertiary Multicultural Mathematics Students
|            | ROOM 3  | **Dr Richard Naidoo**, Department of Mathematics, DIT, South Africa
|            |         | **Overview:** A design of a mathematics course for students in HI using neural theory and socio-cultural constructs in mathematics education. **Stream: Technology in Education** |
| ROOM 4 | New Economy or New Enemy?: The U.S. Media Coverage of Technology Outsourcing to India. Prof. Elfriede Fursich, Department of Communication, Boston College, USA  
Overview: This study analyses how major newspapers in the United States have covered the recent surge of high-tech outsourcing to India.  
Stream: Knowledge & Technology | An Efficient Algorithm For Predicting Survival Of Medical Data (Epsa) Hemalathasekar Sekar, Lecturer, Department of Computer Science, Karpagam Arts & Sciences College, India  
Overview: In this paper Enhanced Pincer-Search Algorithm is applied to retrieve useful information from maximal frequent itemsets and predict interesting results  
Stream: Knowledge & Technology |
|---|---|---|
| ROOM 5 | The Use of Space: Web Radio and Its Uses in a Multicultural Educational Community: How Open 'Space' in Cyberspace is Used by Students from Diverse Backgrounds  
Dr Jeff Ritter, School of Arts and Sciences, La Roche College, USA  
Overview: In a participant/observation study of a web 'radio' system I am studying how the open 'space' of web radio (linear real time) is used.  
Stream: Technology in Community | Modern Technology as a Denaturalising Force  
Dr Robert Albin, Liberal Arts and Sciences Department, Sapir College, Israel  
Overview: Technological interventions leaves no room for an independent natural realm. By conquering and taking control of the natural, technology is helping in breaking the conceptual boundaries between nature and culture.  
Stream: Technology in Community | The Role of Accountants Within a Computerised Environment: A Malaysian Experience  
Aniza Zainol and Mohamed Nazim Abdul Rahman, Department of Accounting and Finance, School of Business Faculty of Business and Economic, Monash University, Malaysia  
Overview: In a dynamic global environment, society expects accountants to keep abreast of relevant developments and ensure that professional accountants continue to deal effectively with challenges faced in the profession.  
Stream: Technology in Community |
| 12:15-1:00 | LUNCH |  

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<th>Time</th>
<th>Room</th>
<th>Title</th>
<th>Speaker/Institution</th>
<th>Overview</th>
<th>Stream</th>
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</thead>
</table>
| 1:00-2:00 | GROUP 10: PAPERS | GROUP 10A (30 min. papers) GROUP 10B (30 min. papers) | ROOM 1 Design and Implementation for Wound Measurement Application  
*Dr Dongguang Li, Senior Lecturer, School of Computer and Information Science, Edith Cowan University, Australia*  
*Overview:* The system uses an accurate measurement method capable of detecting small changes in an open wound surface area.  
*Stream:* Human Technologies & Useability  

ROOM 2 The Video Watermarking Implementation on FPGA  
*Kesavan Pillai, Pricol Limited, Hyderabad Electronics Division, India*  
*Overview:* Data Security in the Digital world is an important area where the Data can be made much secure to avoid the Digital Copying.  
*Stream:* Technology in Community  

ROOM 3 Cause-based Marketing for Information Dissemination: Two Remarkable Success Stories  
*Prof. Raj Rajagopal, College of Liberal Arts & Sciences, University of Iowa, USA*  
*Overview:* EGranary, created for universities that do not have Internet access, provides 5000 times faster web access. First Book has distributed over 33 million books to children in over 1300 communities.  
*Stream:* Technology in Community  

ROOM 4 The Technological Imaginary and the Marketing of Mobile Phones in India  
*Dr Usha Raman, Communications Department, L V Prasad Eye Institute, India*  
*Overview:* The "technological imaginary", is evident in the way a technological object is positioned through advertising and other cultural products. This idea is explored in relation to cellphone advertising in India.  
*Stream:* Knowledge & Technology  

ROOM 5 Chat Room to Classroom: Action Research on Using Synchronised Discussion to Support Open Learning  
*Mriga Williams, Institute of Health and Social Care, APU, United Kingdom*  
*Overview:* The action research paper aims to explore the use of chat room facility in carrying out synchronous discussions for groups/individuals to support open learning.  
*Stream:* Technology in Education  

1:00-2:00 | GARDEN SESSION 4 (60 min. session) |  | GARDEN | Rajiv Kaul, Senior Director, Microsoft USA | |
<table>
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<tr>
<th>Time</th>
<th>Session/Activity</th>
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<tbody>
<tr>
<td>2:00-2:45</td>
<td>TALKING CIRCLE 2 - What are our differences? What is our common ground?</td>
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<tr>
<td>ROOM 1</td>
<td>Stream: Human Technologies and Useability</td>
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<td>ROOM 2</td>
<td>Stream: Technology in Community</td>
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<td>ROOM 3</td>
<td>Stream: Technology in Education</td>
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<td>ROOM 4</td>
<td>Stream: Knowledge and Technology</td>
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<td>2:45-3:00</td>
<td>AFTERNOON TEA</td>
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### 3:00-4:30 GROUP 11: PAPERS

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<thead>
<tr>
<th>Room</th>
<th>Title</th>
<th>Authors/Institutions</th>
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<tbody>
<tr>
<td>ROOM 1</td>
<td>Representation Unshorelines: The Art of Describing a Moving Shore</td>
<td>Jon Tarry, Faulty of Architecture Landscape &amp; Visual Arts, University of Western Australia, Australia</td>
</tr>
<tr>
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<td>Overview: An examination of representation of the multiple layers place and history.</td>
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<td>ROOM 2</td>
<td>The Paperless Course: Using Group and Website Technology to Stop Killing Trees and Improve the Course</td>
<td>Dr Jeffrey M. Wachtel, Asian Division, University of Maryland University College, Korea</td>
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<td>Overview: A 15 minute presentation about the practice of using Yahoo or MSN Groups to teach your classes suplimented by Yahoo Geocities Adsense Free Web Resources followed by participant brainstorming.</td>
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<td>ROOM 3</td>
<td>Integral Autonomy: A Topological Approach to Communication and Community</td>
<td>Mark Hemphill, Business, Education, and Applied Technology, University of Prince Edward Island, Canada</td>
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<td>Overview: In this contribution I present a model for measuring the robustness and scalability of communication and community by virtue of the internal order that creates it.</td>
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<td>Some Human and Social Capital Components That a Knowledge Society Requires</td>
<td>Prof. Robert Slater, Department of Educational Administration and Human Resource Development, Texas A&amp;M University, USA</td>
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<td></td>
<td>Overview: What human and social capital does a knowledge society require? Five capacities seem particularly important. They are the capacities for: inquiry, creativity, technology, moral leadership and entrepreneurial leadership.</td>
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</table>
Prof. Karthikeyan Subramanian, Senior Lecturer, Department of Computer Science, Karpagam Arts & Sciences College, India  
Overview: In this paper we propose a new approach of hybrid encryption technique in a database management system for database security.  
Stream: Knowledge & Technology |
|---|---|---|---|
| GROUP 11A | Ravindra Singh Bangari, Indian Institute of Management, Bangalore, India  
Overview: Paper analyses the influences of the emerging information environment on governance-based crisis decision making from rational positivist, as well as alternate, perspectives.  
Stream: Knowledge & Technology | | |
| GROUP 11B | | | Michael Wutz, Department of English, Weber State University, USA  
Overview: As a postmodern novel, "The Waterworks" (1994) retrospectively stages the crisis in information processing and knowledge production following a booming post-bellum American economy.  
Stream: Knowledge & Technology |
| GROUP 11C | | | |
| Room 5 | Implementing Building Information Modelling (BIM) for an Educational Facility: A Case Study  
Anoop Sattineni and Purva Gujar, Department of Building Science, Auburn University, USA  
Overview: A Case Study in implementing Building Information Modeling (BIM) for an educational facility in the southeastern part of United States of America is presented.  
Stream: Knowledge & Technology | Globalisation: Discourse or Monologue?  
Dr Sami Omar, Sociology-Anthropology-Psychology-Egyptology Dept., The American University in Cairo, Egypt  
Overview: Technological Globalisation as a western Monologue causes cultural backlash in the Arab World.  
Stream: Knowledge & Technology | A Distance Vector Routing Protocol for Real-Time Traffic in Ad hoc Networks  
Sathiyanarayanan Kuppuswamy, Department of Computer Science & Engineering and Information Technology, Pondicherry University, India  
Overview: Objective is to design a new protocol to support Real time traffic and to optimize network load in Mobile Ad hoc networks.  
Stream: Knowledge & Technology |
| GROUP 11A | | | |
## DAY 4: Thursday 15 December

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<tr>
<th>Time</th>
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<th>Room 3</th>
<th>Room 4</th>
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<tr>
<td>9:00-10:00</td>
<td>SECRETARIAT/REGISTRATION DESK OPEN FROM 8:30AM</td>
<td><strong>GROUP 12: WORKSHOPS and PAPERS</strong></td>
<td><strong>A Blessing or a Curse?: Email Functionality and Work Performance</strong>&lt;br&gt;Dr Rita Mano, Dep. of Human Services and Dr Gustavo Mesch, Dep. of Sociology and Anthropology, University of Haifa, Haifa, Israel&lt;br&gt;<strong>Overview:</strong> Email Use Enhances Work Performance But Also Produces Counter Effects Such As Work Stress And Distress Depending On Individual And Information &quot;Pathologies&quot;.&lt;br&gt;<em>Stream: Human Technologies &amp; Usability</em></td>
<td><strong>The Making of Digital Historical Atlas: Some Examples from South India</strong>&lt;br&gt;Prof. Aloka Parasher-Sen, Department of Management Communication, The University and Dr Priya Kurian, Political Science &amp; Public Policy, The University of Waikato, New Zealand&lt;br&gt;<strong>Overview:</strong> A qualitative analysis of how the issues of ‘Genetic modification’ and ‘Immigration’ intersect in the intertwining discourses of science and society in New Zealand.&lt;br&gt;<em>Stream: Technology in Community</em></td>
</tr>
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<td>9:00-9:30 (30 min. papers) GROUP 12A</td>
<td><strong>A Comparative Analysis of the Cost of Digital Signatures</strong>&lt;br&gt;Aashish Srivastava, PhD candidate, Business Law and Taxation, Monash University, Australia&lt;br&gt;<strong>Overview:</strong> The aim of the paper is to compare and contrast the administrative procedures in the issuance of Digital Signatures in Australia, Hong Kong and the United Kingdom.&lt;br&gt;<em>Stream: Technology in Community</em></td>
<td><strong>Walking on the Edge: Anxious Border Crossings in Genetic and Social Engineering in New Zealand</strong>&lt;br&gt;Dr Debashish Munshi, Department of Management Communication, The University and Dr Priya Kurian, Political Science &amp; Public Policy, The University of Waikato, New Zealand&lt;br&gt;<strong>Overview:</strong> A qualitative analysis of how the issues of ‘Genetic modification’ and ‘Immigration’ intersect in the intertwining discourses of science and society in New Zealand.&lt;br&gt;<em>Stream: Technology in Community</em></td>
<td><strong>The Role of Information Technology in Education: Creating a New Era</strong>&lt;br&gt;Siddhartha Ghosh, Dept. of Computer Science and Engineering, G. Narayananamma Institute of Technology and Science, Overview: Information Technology is taking a major role in providing better education to the students not only in the city but also in villages. A new era has been started.&lt;br&gt;<em>Stream: Technology in Education</em></td>
<td><strong>VRML Techniques, and the Construction of Cultural Space</strong>&lt;br&gt;Dr Keith Russell, School of Design, Communication &amp; IT, University of Newcastle, Australia&lt;br&gt;<strong>Overview:</strong> This paper explores the impact of VRML technologies on the interpretation of real, imaginary and virtual places.&lt;br&gt;<em>Stream: Knowledge &amp; Technology</em></td>
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<td>9:30-10:00 (30 min. papers) GROUP 12B</td>
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<td><strong>The Image Retrieval using Shape Feature: Image Indexing and Retrieval</strong>&lt;br&gt;S. Selvanidhyananthan, Mepco Schlenk Engineering College, Tamil Nadu, India&lt;br&gt;<strong>Overview:</strong> My paper entitled &quot;Image retrieval using shape feature&quot; is suitable under the Special Theme &quot;locating digital sources&quot; of your 2nd International conference.&lt;br&gt;<em>Stream: Technology in Education</em></td>
<td><strong>Genetic Algorithm Based Wireless Intrusion Detection</strong>&lt;br&gt;P C Kishore Raja, Deepak Jain and Sandeep Mirajkar&lt;br&gt;Sri Venkateswara College Of Engineering, India&lt;br&gt;<strong>Overview:</strong> This paper describes a genetic algorithm based wireless intrusion detection system. The main advantage of this system is capable of detecting the intrusion at the processing level.&lt;br&gt;<em>Stream: Knowledge &amp; Technology</em></td>
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| ROOM 5 | Two-Player Web Based Games for High-Functioning Autistic Children  
*Prof. Peter Ohring*, Departments of Mathematics/Computer Science and New Media, State University of New York, College at Purchase, USA  
*Overview*: A progress report on a project centered on developing cooperative, two-player, web-based games to improve behavioral and social functioning of high-functioning elementary-school-aged autistic children.  
*Stream*: Technology in Education |
| --- | --- |
| ROOM 6 | Technological Options and Tribal Participation in Sustainable Agriculture: An Experience in Eastern India  
*Hari Charan Behera*, University of Hyderabad, India  
*Overview*: It includes the core discussion on the combination of local and scientific knowledge to promote participation in agriculture development. It is expected to be an approach for sustainability.  
*Stream*: Technology in Community & Stream: Knowledge & Technology |
| ROOM 7 | Creating a Multicultural Programming Repository: Diversity Through Curriculum, Programming & Experiential Learning  
*Dr Cathleen Londino, Dr Kristine Mirrer, Scott McHugh and Larry Ling-hsuan Tung*  
Teaches Production and Media Criticism Courses, Kean University, USA  
*Overview*: Digital Stories are an effective tool for a variety of purposes. The workshop will cover personal, program, Travel Learn, interns, and international experience told through Digital Stories.  
*Stream*: Technology in Community |

9:00-10:00 (30 min. papers) GROUP 12C

10:00-10:15 MORNING TEA
### 10:15-11:00 TALKING CIRCLE 3 - What is to be done?

**ROOM 1**  
Stream: Human Technologies and Useability

**ROOM 2**  
Stream: Technology in Community

**ROOM 3**  
Stream: Technology in Education

**ROOM 4**  
Stream: Knowledge and Technology

### 11:00-12:00 GROUP 13: WORKSHOPS and PAPERS

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<th>Time</th>
<th>Group 13A</th>
<th>Group 13B</th>
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| 11:00-11:30       | Infertainment and Technology: New Challenges for Citizenship in a Globalized World  
*Narayan Gopalkrishnan*, Center for Multicultural and Community Development (CMCD), University of the Sunshine Coast, Australia  
**Overview:** This paper examines the sophisticated use of fear as ‘Infertainment’ in the context of the nation-state, and the role of ICTs within this process.  
Stream: Technology in Community |
|                   | The e-Administration Tool: For e-Governance  
*Kris Dev*, International Transparency & Accountability Network, India  
**Overview:** ‘e-Administration’ is a web enabled, platform neutral, paper-less communication and collaboration Tool, for e-Governance.  
Stream: Technology in Community |
| 11:30-12:00       | The Perceived Role of the Southern African Large Telescope in the Development of the Town of Sutherland, South Africa  
*Micahel Dyssel*, Department of Geography & Environmental Studies, University of the Western Cape (UWC), South Africa  
**Overview:** Study that analyzes the perceptions of Sutherland’s community of SALT’s role relative to the further development of the town.  
Stream: Technology in Community |
|                   | International Learning Communities: Supporting Community Capacity Building through Technology  
*Julian Silverman and Enza Santangelo*, School International & Community Studies, RMIT University, Australia  
**Overview:** This paper details the development of a learning system that combines online and face to face methodologies in order to train international community development workers  
Stream: Technology in Community |
|                   | The Use of Technology in Adult Art and Design Education  
*Carol Ryder*, Department of Fashion and Textile Design, Liverpool School of Art and Design, Liverpool John Moores University, United Kingdom  
**Overview:** This paper will seek to evaluate the effectiveness of a range of learning and teaching technologies currently available to art and design educators in British Higher Education.  
Stream: Technology in Education |
|                   | Widgets 210: Imagination and Ownership to Increase Core Competencies in Technical Communication Students  
*Liticia Salter*, Department of English, Texas A&M University - Qatar Campus, USA  
**Overview:** This paper explores implications facing educators in technical communication and suggests heuristics of technology and rhetoric to ensure students graduate with the core competencies necessary to meet workplace expectations.  
Stream: Technology in Education |
|                   | Influence of Extreme Programming Practices on Quality  
*Dr Vivekanandan Kalimuthu*, Department of Computer Science & Engineering and Information Technology, Pondicherry Engineering College, India  
**Overview:** We present the results of the investigation carried out on the effects of Extreme Programming (agile software development methodology) on software quality through simulation of software development process.  
Stream: Knowledge & Technology |
|                   | Better Knowledge Management Through Quantitative Methods  
*Assoc. Prof. Robert W Mellor*, University of Western Sydney, Australia  
**Overview:** When knowledge, or the information underpinning knowledge, can be quantified, a whole range of analysis tools become available to the researcher, to aid the interpretation of the information.  
Stream: Knowledge & Technology |
| ROOM 5 | Empowering Participatory Learning and Expert-Local Knowledge Transfer: Using Dynamic Models to Jump the Culture Barrier  
Dr Robert Bateman, School of Business & Management, American University of Sharjah, United Arab Emirates  
Overview: This presentation uses case examples to explore how dynamic models can enable participatory decision making and facilitate mutual learning between local professionals and foreign experts.  
Stream: Knowledge & Technology | Towards IT-enabled, Global Artificial Judging System for Legal: Experimenting with Whiplash Injury Cases  
Prof. Check Teck Foo, System and Engineering Management, Nanyang Technological University,  
Overview: An internet-based, global artificial justice system is advocated. One possibility is in developing a triangulated, inter-disciplinary - IT, legal and medical sciences - collaboration for personal injury cases.  
Stream: Knowledge & Technology |
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<td>1:00-2:00 (30 min. papers) GROUP 13C</td>
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| ROOM 6 | Knowledge Management: From an Entrepreneurial Perspective  
Jonathan Hill, Business School, Buckinghamshire Chilterns University College, United Kingdom  
Overview: This paper examines Knowledge Management from an entrepreneurial perspective.  
Stream: Knowledge & Technology |
| 12:00-1:00 | CLOSING PLENARY SESSION |
| 1:00 | LUNCH |