

Durban Institute of Technology honours its Women Researchers

The Durban Institute of Technology's Centre for Research Management and Development (CRMD) hosted a glittering function to celebrate the contribution of Women at the DIT to research. This event was held at the Durban International Convention Centre (ICC) on Friday 5th August 2005. According to the Director of Research, Prof Gansen Pillay, "This was a celebration of those women at our institution who are pushing the boundaries of research and making a valuable contribution to strengthening institutional research for the benefit of Africa."

Over 200 people from different departments within the DIT and other institutions outside the DIT attended this function.



Prof Goba presenting the launch copy of the "Women in Research at the DIT" Bulletin to Mrs Vanessa Leo, Chair of Council



(L-R) Ms Poovie Reddy, Ms Joy Kistnasamy and Ms Nalene Naidoo

Among those present were

representatives from the education, legal and corporate fraternity and the media. Professor Bonganjalo Goba welcomed the guests and acknowledged the important role of women at the DIT. "The celebration coincides with the national celebrations honouring women in our country. It is a timely occasion to recognize and honour the profound contribution of women researchers in our community," he said. The welcome was followed by the flighting of a video on 'Women in Research at the DIT.'

The "Women in Research at the DIT" Bulletin was launched and presented to the Chair of Council, Mrs Vanessa Leo. Women researchers were awarded certificates to acknowledge their contribution to research at the institution which were received by Deans/representatives from all the faculties/sectors on behalf of women researchers in their respective faculties/sectors.

Professor Anusuya Chinsamy-Turan, winner of the 2005 Shoprite Checkers / SABC 2 Woman of the Year award was the Guest Speaker. Prof Chinsamy-Turan, who was also voted the winner in the Science category, is an internationally recognized professor in the field of palaeobiology. Her outstanding research on the microstructure of fossil bone has resulted in a major achievement in this field and a better understanding of the biology of a variety of extinct animals from the world renowned mammal-like reptiles of South Africa, from dinosaurs to early birds.



(L-R) Ms Naziema Jappie, Prof Anusuya Chinsamy-Turan and Prof Gansen Pillay

In her address to the Women researchers, the President of South African Women in Science and Engineering (SAWISE) encouraged them to always strive to do their best when carrying out their research. She pointed out that for them to do their research well, they should be hungry and passionate all the time. She urged them to be visible in whatever they do. "When you are presenting, make sure that people will always remember your name afterwards."

She also encouraged women to choose their life partners well so that they will be able to have appropriate support. Referring to the issue of publishing in journals, she encouraged women researchers to always strive to publish internationally rather than locally. She also cited the problem that most women researchers spend their time in the laboratories and never take time to record and publish whatever research they had completed.

George Mari and his Jazz Quartet entertained the crowd with their melodious jazz tunes. Most women researchers were very pleased. "It was a lovely function and allowed us to meet up with colleagues whom some of us have not seen in years. More importantly, the idea of celebrating DIT women in research was a great one and will do much to promote the DIT as a university of technology that is serious about its involvement in research and research capacity building", remarked one researcher.



(L-R) Ms Jackie Winfield, Ms Brigitte Brun, Ms Marlene de Beer, Dr Marie de Beer, Mrs Kate Wells and Capt Bob Wells



Professor Gansen Pillay

Message from the Director (Centre for Research Management and Development)

There has been a frenzy of activity on the research front. Following on from a very successful VC's Award celebration of NRF-rated researchers in February, we recently acknowledged the role of women researchers at the DIT through a special bulletin titled "Women in Research at the DIT" and a gala evening where they were publicly lauded and awarded certificates for their contribution to research at our institution. There has also been an increase in the number of academics presenting their research at national and international conferences (refer to conference attendance in this issue). However, the key challenge to these researchers is to convert the conference abstracts to peer-reviewed, DoE accredited publications.

Upcoming events on the research calendar include the DIT Research Day scheduled for 21st September 2005. All Faculties will jointly host a plenary and poster session and will break away for Faculty-based sessions. Research Day is intended for Faculties to showcase the research being conducted by staff and postgraduate students within the various departments and to give researchers an opportunity to present their work under conference conditions. The CRMD will host an Ethics Workshop on 5th October 2005. The objectives of the workshop are to

ensure an appropriate level of ethics training for members of FRCs and the IRC, to discuss accreditation of facilities in the Faculty of Health Sciences by the Department of Health, and to revise our existing Ethics Forms so that it is consistent across all Faculties.

I am pleased to announce that there has been an increase in the number of submissions for research funding to the NRF. Twenty new proposals were submitted to the NRF's Thuthuka Programme for Researchers in Training. The NRF Executive will be visiting the DIT on 3rd October 2005 to unveil its new programmes. All interested persons are urged to contact the CRMD for further details.

This issue of RE@DIT focuses on women researchers at the DIT, profiles some of our developing researchers, and reports on workshops held for publications writing and computational intelligence. In addition, the launch of the EU-SA Framework Programme is covered and the recipients of seed grants and equipment grants are announced. As usual, the Publications Barometer gives us a sense of our performance regarding research output in peer-reviewed journals. Details of an incentivised scheme to encourage research publications are also communicated.

2005 is passing us by very rapidly. I encourage researchers and postgraduate students to consolidate their research efforts and focus on enhancing and optimizing their outputs. The throughput of students is central to our agenda as a successful HEI. I wish you the very best in your research efforts for the last quarter of 2005!

Incentive for submission of Research Manuscripts to DoE-approved Journals

An incentive of R 500-00 would be credited to the Research Reward account of a researcher upon submission of a research article to a DoE-approved journal for possible publication. This is effective from 1 January 2005 until further notice. In instances where there is more than one author from the DIT, the amount of R 500-00 will be divided equally by the number of eligible DIT authors.

Eligibility

Any full-time, permanent or contract (minimally one year) academic or research staff member of the DIT is eligible. Student authors (including PDFs) are excluded from this incentive scheme.

Criteria

In order to qualify for the incentive, the following must be submitted to the Centre for Research Management and Development (CRMD):

- Proof of submission to the journal (letter or e-mail communication);

- Proof of receipt of submission by the journal (letter or e-mail communication); and
- A copy of the manuscript indicating authors and affiliation.
Note: Manuscripts which were submitted and are rejected and which are subsequently amended for submission to another journal will not receive a submission incentive. This applies to those manuscripts which were previously submitted to the CRMD.

Use of funds

This is a once-off payment for each submission. The submission incentive will be credited to the researcher's account and can only be used for research-related expenses following approval by the Director (Research)/DVC (Academic). If an academic/researcher resigns or leaves the employ of the DIT, any unspent funds will revert to the research budget of the DIT to support research.

Report on the Publications Writing Workshop for the Faculty of Arts

A "Publications Writing Workshop" was held for the Faculty of Arts from Friday 17th - Saturday 18th June 2005 at Gwahumbe Private Game Reserve. The workshop was facilitated by Prof. D. Pillay from the CRMD and Prof. L.S. Wright from the Institute for the Study of English in Africa at Rhodes University. Prof. Wright is Managing Editor of the DoE-approved journals, *Shakespeare in Southern Africa* and *New Coin Poetry* and is Editor of *English in Africa*. The facilitators were ably supported by Prof. B. Pearce who is Editor of *Shakespeare in Southern Africa*. A total of nine manuscripts were reviewed and edited. These are currently being tracked by the CRMD to ensure that the manuscripts are submitted for publication. The following is a summary of the manuscripts reviewed and the journals to which they are intended to be submitted:

- **Govender, S., Stewart, G. and Powell, P.** (2005). Enhancing the quality of multi-site curriculum development. *South African Journal of Higher Education*.
- **Kethro, P.** (2005). Addressing the capability gap: work integrated learning in design. *Design Issues*.

- **Kethro, P.** (2005). Fashion education relays to the employment market in South Africa. *South African Journal of Higher Education*.
- **Powell, P.** (2005). The challenges of implementing project-based learning in a South African University of Technology. *South African Journal of Higher Education*.
- **Sewlal, R.** (2005). Understanding copyright in news reports. *Equid Novi*.
- **Netshiombo, K.** (2005). The role of humanities in the South African science and technology discourse. *South African Journal of Higher Education*.
- **Neerputh, S., Leach, A. and Hoskins, R.** (2005). Developing guidelines for performance appraisal of subject librarians in South African academic libraries. *South African Journal of Libraries and Information Science*.
- **Singh, P.** (2005). Assessment as a tool for learning. *Assessment and Evaluation in Higher Education*.
- **Pearce, B.** (2005). Hamlet, the actor. *The Southern African Journal of Medieval and Renaissance Studies*.

SEED GRANTS AWARDED

In 2005 the CRMD offered to first time academics/researchers the opportunity to apply for seed funding up to the value of ten thousand rand (R10 000) to launch their research careers. Congratulations to the following members of staff who were successful in obtaining these grants:

Mr D J Twala	Department of Economics
Mr A Moorley	Department of Management
Mr S Chetty	Department of Management
Ms D Veerasamy	Department of Public Relations
Ms P Naidoo	Department of Public Relations
Ms V Rawjee	Department of Public Relations
Ms A M Mhlongo	Department of Library & Information Studies
Mr A Maharajh	Department of Sport Management
Mr S H Docrat	Department of Marketing
Ms M Reddy	Department of Governmental Studies
Mrs M Maharaj	Department of Marketing
Mr D Govender	Department of Management
Mrs T Reddy	Department of Human Biology

EQUIPMENT GRANTS AWARDED

In 2005 the CRMD offered researchers the opportunity to apply for equipment grants up to the value of one hundred thousand rand (R100 000). Congratulations to the following members of staff who were successful in obtaining these grants:

Dr L Reddy	Department of Biotechnology
Prof K D Duffy	Department of Industrial Engineering
Dr K Bisetty	Department of Chemistry
Mr A Telukdarie	Department of Chemical Engineering
Dr K Permaul	Department of Biotechnology
Mr A Bharat	Department of Photography
Mrs T Padayachee	Department of Food Technology
Prof S Singh	Department of Biotechnology

RESEARCHER PROFILES



Mrs Padmini Moodley is a lecturer in the Department of Sport Management. She was always interested in sport from a very young age. Padmini has a keen interest in volleyball having represented the South African youth team, the South African Students volleyball team and was also Vice Captain of the South African schools volleyball team. Having competed in sport from such a young age and having a passion for it, her obvious choice was to pursue a career in the sporting industry. She studied at the former University of Durban Westville for a B.A. Honours (Sport Science) degree. Thereafter, she successfully completed a masters degree in sport science.

Her research focused on the "Job Security of Professional Coaches in South Africa". It was a topic that was previously not researched in South Africa despite the fact that national coaches in all codes of sport were being dismissed so frequently when the performance of national teams was poor. Her main research focus was on human resource issues surrounding sport management. Padmini's current research towards her doctoral studies focuses on the job satisfaction of professional sport managers in South Africa.

The Department of Sport Management is relatively new and therefore has no postgraduate students. Padmini recently attended the Discovery Vitality Fitness Convention where she presented a paper on "A comparative study of job satisfaction and security of personal trainers employed at commercial gymnasiums and self employed trainers".

Her past journal articles include "Job security of professional coaches in South Africa" which appeared in the 2001 issue of the *South African Journal for research in Sport, Physical Education Recreation and Dance*. Her recent journal article appeared in the April 2005 issue of the *African Journal for Physical, Health Education, Recreation and Dance*.

Padmini's future plans include completing her doctoral degree and being actively involved in research regarding issues in sport management and sport science that can contribute to a better sporting nation in South Africa. "Sport is a growing business in South Africa and hopefully I can make a positive contribution to us hosting a successful 2010 Soccer World Cup which is the second largest sporting event in the world".



Mr Viresh Mohanlall is a Senior Research Technician in the Department of Biotechnology. He has been involved in research with DIT's Biotechnology department since 1996. Viresh is currently involved in indigenous plant research. He aims to investigate the micro-propagation of plants and thereby use different elicitors in the growth of plants in tissue culture. Thereafter, he will monitor the plant growth and secondary metabolite production patterns in response to the different elicitors.

The twofold outcome of Viresh's research on indigenous plants will combat starvation and also increase levels of immunity among rural populations. His research is currently being funded by the NRF.

Viresh has also been conducting research in the fight against esophageal cancer. His past research has highlighted the danger of mycotoxin producing fungi and he has been looking at ways in which to inhibit the fungal growth thereby reducing its ability to produce high levels of mycotoxins.

Viresh is currently providing technical assistance to two post-doctoral students from India. The post-doctoral fellows have added to the research capacity of the Department. Viresh is extremely proud of DIT's Biotechnology Department. "Some of the strongest research at the DIT comes from our department. Our students compete well against students at other universities".

Mohanlall has been involved in research within the Biotechnology Department for the past nine years. He is currently working towards completing his doctoral studies and hopes to self-improve by taking things "one step at a time". Mohanlall also hopes to eventually establish his own niche area within the biotechnology arena.

As a student he had encountered many financial difficulties. "DIT gave me the opportunity to follow my destiny. Without DIT's infrastructure and world of opportunity, I might not have been able to pursue my career. I take nothing for granted and one of my primary goals is to give back to the students at the DIT what was once given to me".

RESEARCHER PROFILES



Ms. Jackie Winfield is the Head of Department in Child and Youth Development. She has been involved in research since 2001. She is currently completing her Masters degree in the field and is implementing the development of reflective practice in the field. "This promotes three dimensional thought in the profession when working with children as opposed to using a textbook approach".

Her most recent conference attended was the National Association of Child Care Workers Conference held in 2004. It was a gathering of individuals involved in child and youth care and dealt with issues such as HIV/AIDS and child parents. Being the first of its kind, the conference received a great deal of support and was attended by four members of staff and 30 students from the DIT.

Ms. Winfield is a regular writer for *Child and Youth Care*, a journal devoted to the industry and features developments and explores the science behind child and youth care. She also has a chapter featured in a book that is currently in press. Her passion resides in educational development related to child and youth care workers. She hopes that the department would become internationally recognized through their pioneering research. Ultimately, Ms. Winfield would like to publish her research as widely as possible and continue to contribute to the development of children and youth in South Africa and beyond.

Ms Dee Pratt is a lecturer in the Department of Language and Communication at the DIT. In 1986, her research for the masters degree focused on written composition. "I was fortunate in being able to change fields constantly throughout my research career or rather, in being able to expand a somewhat narrow linguistic focus on written composition to the wider field of human communication, and also expanding a focus on verbal language to include use of multimedia and the hypermedia."

Her current interests and research areas include human communication, instructional design and computer mediated instruction. Recently, what may have seemed disparate threads in the skein of inquiry have resulted in her Ph.D. research, in which a model of communicative functions was formulated using a modeling process pioneered by Robert Franck, Professor of Philosophy at the University of Louvain. Ms Pratt is currently helping him with research on a model discourse.



Ms Pratt's contribution to her field is to have taken part in DIT'S Pioneer staff induction into online learning in research. This gave birth to the design, setting up and running of over 15 mixed mode courses, ranging from first year/semester courses, including two staff induction courses.

She is currently supervising a post graduate student, who is a part time member of staff and who has experience of web-based learning - both webCT and Open Learning Systems (OLS). His topic is titled "The impact of socio-cultural factors on blended learning in the development of academic literacy in a tertiary vocational context". She is also co-supervising a number of Mathematics postgraduate students with Dr. Richard Naidoo.

In the last three years, she has had over 20 conference papers/workshop presentations published both nationally and internationally. She also has a chapter in publication in what the editors hope will be a "definitive work in research in multimedia." Her dedication is unquestionable - Ms Pratt aims to work more on journal and book publications, and also focus on masters-by-thesis supervision.

Her passion lies in the fields of communication, computers, and learning and the ways in which they interlink and complement each other. Being a programme leader for the CALT coursework masters, her short term goal is to concentrate on recruiting for and running this course in 2006. "This is a course in assisted language teaching which offers Language lecturers the opportunity to develop language teaching programmes in the form of computer programs, websites, television, radio or cell phone applications.

She would like in future to develop research capacity in the area of language learning and computer mediated education, and to build up a community of researchers and educators in this field. Pratt has recently been on a CHE workshop and she is now on the CHE accreditation panel assessing M.Tech. degrees.

Her advice for academics who wish to succeed is -

"I would recommend not only an innovative approach to research, but parallel work in curriculum development, as then research not only feeds back into teaching but results in exemplary work in the curriculum which can be showcased as best practice".

Workshop on Computational Intelligence

The **Department of Electronic Engineering** held a Computational Intelligence Workshop from 19-20 July at the Durban Institute of Technology which was hosted by Mr. Kris Moodley, Head of Department.

The workshop was dedicated to staff members interested in modeling, identification, control and optimization of systems and also to fast-track research activities in the Department. As Computational Intelligence has been identified as one of the possible niche areas for research activities in this Department, the workshop was to equip staff members with essential skills and knowledge that will in future enable them to apply this knowledge within their own research programmes.



Participants at the Workshop

The workshop was presented by Dr Kumar Venayagamoorthy who is a former Senior lecturer at the Durban Institute of Technology. Dr Venayagamoorthy is currently an assistant Professor of Electrical and Computer Engineering and the Director of the Real-Time Power and Intelligent Systems Laboratory at the University of Missouri-Rolla.

Dr Venayagamoorthy whose research interests are in Computational Intelligence, Power systems, Evolvable Hardware and Signal Processing covered five areas at the workshop. These included Artificial Neural Networks (ANNs), Evolutionary Computing (EC), Swarm Intelligence (SI), Fuzzy Systems (FS) and Hybrid Systems and Applications.

The twelve participants at the workshop, from the Departments of Electronic Engineering and Information Technology, had a "hands on" experience in programming in MATLAB as well as different Computational Intelligence paradigms for a number of engineering problems. For the participants, this was the most exciting part - "I think the workshop was well structured. There was good background information and normally at workshops they don't give you that much detail" pointed out Anusha Govender from the IT Department.

For the Department of Electronic Engineering, the workshop served to cement a research relationship between staff members and Dr Venayagamoorthy whose expertise is called upon quite frequently by the Department.

KwaZulu Natal ESASTAP launch

South Africa's partnership in international Science and Technology cooperation has been boosted by the launch of The European South African Science and Technology Advancement Programme (ESASTAP).

This programme which was nationally launched on 28 June 2005 in Pretoria was launched at the Durban Institute of Technology on 21 July 2005 as part of provincial launches which would be undertaken throughout South Africa in the next few weeks. The launch at DIT was presented by the Manager of Strategic Partnerships International Resources, Mr. Daan du Toit from the Department of Science and Technology (DST).

This launch was attended by representatives from different organisations and institutions, viz., Ethekwini Health Department, University of Zululand, Mangosuthu Technikon, Durban Institute of Technology and University of KwaZulu-Natal.

In his address Mr du Toit explained that this programme which is implemented by the DST is designed to enhance the support and assistance available to both South African and European researchers to mutually benefit from the partnership. Daan du Toit pointed out that through this partnership, researchers from the European Union and South Africa can explore new and emerging scientific and technological areas, anticipate future science and technology needs, and cooperatively seek to resolve major global issues.

Items on the agenda included ESASTAP priorities which he said are to:

- Create a dedicated platform and branding for SA-EU S&T cooperation;
- Support SA's FP6 participation and FP7 preparation;
- Market SA's S&T excellence in Europe; and
- Exploit synergies with other international cooperation activities, especially bilateral links with European countries.

Mr. du Toit also talked about several challenges facing researchers in the country. He pointed out that there are insufficient awareness opportunities, both within South Africa and Europe. The other challenge is the difficulty for the country's researchers to find European FP Consortia partners. There is also a problem of a lack of awareness of South African Science and Technology in Europe. He said, "We have to market ourselves internationally."

Other items included opportunities being offered to researchers and the ESASTAP instruments which are put in place for awareness-raising and information, partner-matching service, and advisory and support mechanisms. More information on the programme is available from the CRMD.

PUBLICATIONS BAROMETER# 2005

1. Olaniran, O., **Pillay, D.** & Pillay, B. (2005). Characterization of two bacteria isolated from a wastewater treatment plant in South Africa for aerobic dehalogenation of some aliphatic chlorinated compounds. *International Journal of Environmental Studies* **62**: 1-10.
2. Iyer, R., Pillay, B. and **Pillay, D.** (2005). Analyses of growth kinetics and the development of simple media for the growth of *Xanthomonas albilineans*. *South African Journal of Science*. **101**: 197-200
3. Singh, N., Somai, B.M & **Pillay, D.** (2005). In vitro screening of sugarcane to evaluate smut susceptibility. *Plant Cell, Tissue and Organ Culture* **80**: 259-266.
4. Singh, N., Somai, B.M & **Pillay, D.** (2005). Molecular profiling demonstrates limited diversity amongst geographically separate strains of *Ustilago scitaminea*. *FEMS Microbiology Letters* **247**: 7-15.
5. **Walker, M.** and Hamilton, R. (2005), 'A technique for optimally designing fibre-reinforced laminated plates with manufacturing uncertainties for maximum buckling strength'. *Engineering Optimisation* **37**: 135144.
6. **Tabakov, P.Y.** (2005). A three-dimensional analysis of laminated orthotropic plates. *Proceedings of the 5th International Conference on Composite Science and Technology*. 221-226.
7. **Kanny, K.** and Mahfuz, H. (2005). Flexural characteristics of sandwich structures at different loading frequencies. *Composite Structures* **67**: 403-410.
8. **Jinabhai, D.C.** (2005). New challenges for South African development and training linkages to empirical research. *Public Personnel Management* **34**: 85-100.
9. Jacobs, E.P., Bradshaw, S.M., Botes, J.P. and **Pillay, V.L.** (2005). Reverse-pressure back-flush in pilot scale, dead-end ultrafiltration of surface water. *Journal of Membrane Science* **252**: 51-63.
10. **Moyo, S.**, and Leach, P.G.L. (2005). On some aspects of ordinary differential equations invariant under translation in the independent viable and rescaling. *Proceedings of the 10th International Conference in Modern Group Analysis*:143-151.
11. **Raju, J.** (2005). LIS education and training in South Africa: a historical review. *South African Journal of Library and Information Science* **71**: 74-84.
12. Nyland, J., **Lachman, N.**, Kocabey, Y., Brosky, J., Altun, R. and Caborn, D. (2005). Anatomy, function, and rehabilitation of the Popliteus Musculotendinous Complex. *Journal of Orthopaedic and Sports Physical Therapy* **35**: 163-180.
13. **Grainger, L.D.** and Michell, K. (2005). Occupational health nursing in South Africa. *Occupational Health Southern Africa*. 4-10.
14. Xu, Q., **Telukdarie, A.**, Lou, H.H. and Huang, Y. (2005). Integrated electroplating system modelling and simulation for near zero discharge of chemicals and metals. *Industrial Engineering and Chemical Research* **44**: 2156-2164.
15. **Kunamneni, A., Permaul, K. and Singh, S.** (2005). Amylase production in solid state fermentation by the thermophilic fungus, *Thermomyces lanuginosus*. *Journal of Bioscience and Bioengineering*. **In press**.
16. **Moyo, S.**, and Leach, P.G.L. (2005). Ordinary differential equations invariant under translation in the independent variable and rescaling: The Lagrangian formulation. *Journal of Mathematical Analysis and Applications* **306**: 35-54.
17. **Odhav, B.** (2005). Bacterial contaminants and mycotoxins in beer and control strategies. *Reviews in Food and Nutrition Toxicity* **2**: 1-18.
18. **Gxawu, D.**, Machi, I.Z., Connell, S.H., Bharuth-Ram, K. and Cox, S.F.J (2005). Diffusion of interstitial muonium, Mu_T , in a ^{13}C diamond. *Diamond and Related Materials* **14**: 375-279.
19. Iyer, R., Pillay, B. and **Pillay, D.** (2005). Analyses of growth kinetics and the development of simple media for the growth of *Xanthomonas albilineans*. *South African Journal of Science* **101**: 197-200.
20. **Naidoo, R.** and Baboolal, S. (2005). Numerical integration of the plasma fluid equations with a modification of the second-order Nesyahu-Tadmor central scheme and soliton modeling. *Mathematics and Computers in Simulation* **69**: 457-466.
21. **Telukdarie, A.**, Brouckaert, C. and Huang, Y. (2005). A fuzzy-logic-based approach to cleaner production evaluation for surface finishing plants. *Plating & Surface Finishing*: 50-55.
22. **Whelan, D.** (2005). The Gerogetown project. *Journal of the KwaZulu-Natal Institute for Architecture* **1**: 2-3.
23. **Raju, J.** (2005). First level library and/or information science education and training at South African universities and technikons: developments in specialisations. *South African Journal of Library and Information Science* **71 (2)**: 164-174.

Attendance at National and International Conferences

NATIONAL CONFERENCES

1. **Govender, D.** Biomedical Technology course for qualified medical technicians. *18th National SMLTSA Congress*, 29 April - 02 May 2005, Cape Town.
2. **Pillay, P.** National Curriculum update: Biomedical Technology. *18th National Medical Technology Congress*, 29 April - 02 May 2005, Cape Town.
3. **Prithepaul, P.** Micobes on the run. *18th National Medical Technology Congress*, 29 April - 02 May 2005, Cape Town.
4. **Lachman, N.** The theory of reflective practice and its integration within the gross anatomy curriculum. *35th Congress of the Anatomical Society of South Africa*, 24-28 April 2005, Hotel Osner, East London.
5. **Lachman, N.** Cadaver mutilations: forensic, anthropological and ethical considerations. *35th Congress of the Anatomical Society of South Africa*, 24-28 April 2005, Hotel Osner, East London.
6. **Mathura, G.** Technique for the demonstration of arterial arcades in the jejunum. *35th Congress of the Anatomical Society of South Africa*, 24 - 28 April 2005, Hotel Osner, East London.
7. **Pillay, V L.** Membrane Technology: The sustainable solution to drinking water provision in developing economy. *6th WISA MTD Workshop*, 13-16 May 2005, Protea Hotel, Wilderness.
8. **Wells, K.** Manipulating Metaphors: how rural craft is utilized as a medium for communication on Aids and confronting culture in Kwa-Zulu Natal. *2nd South African Aids Conference*, 7 - 10 June, ICC, Durban.
9. **Dean, E J.** Using Self-Organising Maps to Analyse First Year IT in relation to the Student's Matriculation results. *SACLA 2005*, Mowana Lodge, Kasane, Botswana.
10. **Njobe, P.** Introducing Localized Open 1. Office Software to Kwa-Zulu Natal Disadvantaged Schools. *SAARDHE 2005*, 27 - 29 June 2005, UKZN, Howard College Campus.
11. **Nepal, T.** ICT: The New Millenium Thrust for Effective Education. *8th IFIP World Conference on Computers in Education*, 4 - 7 July 2005, University of Stellenbosch, Cape Town.

International Conferences

1. **Olivier, L M.** Using writing to learn in a South African context. *3rd European Association for the Teaching of Academic Writing Conference*, 22 - 24 June 2005, Athens.

2. **De Kock, C M.** The role of cartoons in the development of communicative, sociolinguistic and strategic competences in English first and second language teaching. *TESOL ARABIA 2005 Conference*, 09 - 11 March 2005, Dubai, Dubai.
3. **Lachman, N.** Endangered Species: Who will teach anatomy in 2010. *Experimental Biology of the XXXV International Congress of Physiological Sciences*, 01 - 06 April 2005, San Diego, USA.
4. **Ramsuroop, S.** Workplace based learning: Enhancing an outcome based curriculum. *7th World Congress of Chemical Engineering*, 10 - 14 July 2005, Glasgow, Scotland.
5. **McKenna, S.** "it's about me, not just the PhD" Women's stories of Supervision. *The Learning Conference*, 11 - 14 July 2005, Granada, Spain.
6. **Shaik, J.** An investigation into immediate effect of rib mobilization and sham laser application on chestwall expansion and lung function in healthy asymptomatic males. *WFC's and FCER's International Conference on Chiropractic Research*, 16 - 18 June 2005, Sydney, Australia.
7. **Myburgh, C.** State of the Art and developmental issues in Chiropractic: A South African patient perspective. *WFC's and FCER's International Conference*, 16 - 18 June 2005, Sydney, Australia.
8. **Rampersad, R.** Corporate social investment & HIV/AIDS in South Africa: an investigation into communication strategies & HIV/AIDS awareness as part of CSI programmes. *10th International IAICS International Conference*, 06 - 08 July 2005, Taiwan.
9. **Pratt, D.** Modelling writing as a basis for a writing tutor computer program. *ED-Media 2005-World Conference on Educational Multimedia, Hypermedia & Telecommunications*, 27 June - 02 July 2005, Finland, Tampere Hall.
10. **Duffy, K J.** Simulations of woodland grassland transitions caused by elephant. *International Grassland Congress 2005*, 26 June - 01 July 2005, University College, Dublin, Ireland.
11. **Fregona, C.** Negotiated Assessment: A case study. *ED-Media 2005 - World Conference on Educational Multimedia, Hypermedia & Telecommunications*, 27 June - 02 July 2005, Montreal.
12. **De Beer, C.** Drawing on the Shembe: The search for a South African jewellery. *The Association for Qualitative Research Biennial Conference 2005*, 13 - 16 July 2005, Melbourne, Australia.
13. **Singh, R.** Human Integrated Neuro Fuzzy (NF) System for CMT Estimation. *21st International Conference on CAD/CAM, Robotics*, 17 - 20 July 2005, Krakow, Poland.
14. **Whelan, D.** Living in earthen cities. *Kerpac 2005*, 6 - 7 June 2005, Istanbul Technical University, Istanbul.
15. **Tollow, A J.** A Suggested Approach to Effective Water Resource Management using the Umgeni Resource system as a test case. *The Fourth Inter-Celtic Colloquim on Hydrology and Management on Water Resources*, 10 - 14 July 2005, University do Minho, Guimaraes, Portugal.
16. **Telukdarie, A.** Model for Optimum Acid Usage of Electroplating. *American Electroplating Surface Finishing Conference*, 07 - 19 June 2005, St Louis- Missouri, USA.



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