

Mini-Dissertation Titles - Masters in Technology Management (2006-2010)



Year	Author	Supervisor	Degree	Title
2006	Bitta TO	Amadi-Echendu	MTM	A Case Study on Technology Licensing
2006	Botha AP	Pretorius MW	MTM	Identifying Technology Transfer Gaps / Deficiencies Between the Supplier's and Receiver's Technology Capabilities
2006	du Plessis MJ	Ross V	MTM	Research Project Report: evaluation of Technology Strategy Application in the South African mining Industry
2006	Fouche E	van Waveren C	MTM	Corporate case studies of post investment reviews to develop a financial evaluation process
2006	Langenhoven M	Benade SJ	MTM	Management framework to stimulate innovation through open source software projects in the in the South African IT industry
2006	Lubbe FH	Brent AC	MTM	The transfer of commercialisation of technology from South Africa to foreign markets in the financial services industry
2006	Marshall SJ	Pretorius MW	MTM	Towards the development of an innovation audit framework for South African Information and communication technology companies
2006	Nyatlo SM	Kachienga MO	MTM	Analysis of Process Innovation in Diagnostic Pathology Services
2006	Pienaar JH	Brent AC	MTM	A model for evaluating the economic feasibility of farm scale biodiesel production systems
2006	Ramathe SST	Kachienga MO	MTM	Project Management as a Platform for Building Organisational Knowledge
2006	Resenga SW	Brent AC	MTM	Towards an improved technology transfer approach for end-of-pipe technology solutions in the South African industry
2006	Roberts N	Pretorius PJ	MTM	Integrating Hill and Goloratt's approaches to operations management
2006	Schoeman DR	Amadi-Echendu	MTM	Failure modes of conveyor belts deployed in mining applications
2006	Stander MJ	Buys AJ	MTM	Linking projects to business strategy through Project Portfolio Management – an empirical study
2006	van Heerden AHG	Visser JK	MTM	The industrial application of renewable energy in South Africa: case study of a large depot
2006	Viviers JA	Pretorius MW	MTM	A model for process engineering management in the South African pulp and paper industry
2007	Abidakun OO	Pretorius MW	MTM	Linking technology transfer to economic development: A South African perspective
2007	Bubou GM	Brent, AC	MTM	Towards assessing the social sustainability performance of the petroleum industry in the Niger Delta region of Nigeria
2007	Chauke LM	Buys AJ	MTM	Strategic utilization of information technology within retail banking
2007	Drijfhout F	Lalk J	MTM	A unique systems engineering process for subsystems for the gas-cooled nuclear reactor
2007	Engelbrecht CC	Brent AC	MTM	Towards modelling macro influencing factors to address South African energy challenges: A focus in electricity demand and climate change
2007	John AL	Amadi-Echendu	MTM	A case study into IP commercialisation
2007	le Roux WH	Brent AC	MTM	An assessment of the extent to which life cycle assessment is used as a decision-making tool in Southern Africa
2007	Liebenberg JJ	Kachienga MO	MTM	Telecommunications vendor transformation in answer to the challenges presented by next generation technology operators
2007	Ngema M	Buys AJ	MTM	Baseline audits on reliability, availability and maintainability (RAM) of the telecommunication support infrastructure
2007	Pandaram RS	Amadi-Echendu	MTM	Residential load management diversity quantification: Case study
2007	Sinxoto PB	Amadi-Echendu	MTM	Investigating individual consumer's preferences of electronic banking technologies
2007	Thomas G	Wolmarans H	MTM	Competition in the telecommunications vendor industry: The influence of Chinese markets in Africa
2007	Viljoen SJ	Van Waveren C	MTM	The critical success factors that supports a quality culture: A comparative study within a centralised service organisation
2007	Zulu MS	Pretorius MW	MTM	Technology roadmapping for technology planning: A study of the South African mining industry
2008	Ali ML	Visser JK	MTM	Analysis of research trends in asset and maintenance management
2008	Booi S	Kachienga MO	MTM	Sanitation technology procurement model for BuffaloCity municipality
2008	Bopape MS	Verhaege A	MTM	The effects of information technology portfolio management in helping organisations manage the value of IT investments
2008	Chiba SN	Walwyn D	MTM	An investigation into the factors that lead to the successful implementation of a technology strategy within a petro-chemical organisation
2008	de Witt GA	Antonites AJ	MTM	Innovation as a factor in technology incubation management in South Africa
2008	Geldenhuys NLP	Walwyn D	MTM	New approaches to technology transfer in the CSIR, a public research institute
2008	Jose S	Buys AJ	MTM	South Africa as an outsourcing destination
2008	Kitching P	Van Waveren C	MTM	Decision-making tools: Disposal of a petro-chemical plant
2008	Madau I	Pretorius L	MTM	Effectiveness of project management in multi-disciplinary engineering projects within the enterprises division of Eskom
2008	Mahgoub A	Pretorius L	MTM	A model for selection and application of project risk analysis techniques
2008	Makoa R	Weeks RV	MTM	Key issues in addressing the shortage of ICT skills within the Lesotho Revenue Authority
2008	Manzi MJ	Brent AC	MTM	Promoting the adoption of electricity efficient technologies as an alternative to generation capacity expansion in South Africa: A case for the ferrochrome industry
2008	Maumela KG	Pretorius MW	MTM	Appropriate technologies in Africa's sustainable water supply
2008	Molose R	Brent AC	MTM	The establishment of best practices for the formation of R&D alliances in South Africa
2008	Nkhahele T	Pretorius L	MTM	Effectiveness of project cost management in third world countries
2008	Phohole ADL	Pretorius MW	MTM	Patent intelligence as a proxy for science and technology linkage indication
2008	Ramsunder V	Pretorius MW	MTM	Evaluation of barriers to the implementation of ballastless track technology in South Africa
2008	Richards Y	Barry ML	MTM	The relevance of emotional intelligence in project management for the aviation industry
2008	Sekamane MTH	Weeks RV	MTM	Acquisition of scarce ICT skills to support and maintain Lesotho Government-wide Data network
2008	Sekoati MJ	Verhaege A	MTM	Analysis of the adoption of technology strategy in knowledge-based firms in Lesotho
2008	Sibanda KF	Amadi-Echendu	MTM	An investigation into power station condition monitoring systems: An Eskom case study
2008	Thomas R	Barry ML	MTM	Identification of critical success factors in ERP solutions within the freight forwarding industry. The example of UTI
2009	Armstrong EJ	Steyn HdeV	MTM	The fundamental challenges and impacts of allocating resources to multiple or concurrent projects
2009	Bak SR	Pretorius MW	MTM	The role of local subsidiaries in the global innovation strategy of MNCs: the extent to which the local subsidiaries change their roles from pure manufacturers to ones where they also do some innovation
2009	Blom L	le Roux B	MTM	Theory of constraints focus on continuous improvement in manufacturing at Barloworld
2009	Boloko MW	Amadi-Echendu	MTM	A case study of human factors in reliability improvement programmes
2009	Booth M	Pretorius MW	MTM	Automotive component manufacturer innovation: the construction of linkages with foreigners to innovation
2009	Brent AC		MTM	An investigation into behaviours in and performances of a R&D operating unit

2009	Day B		MTM	Sustainable reporting challenges: Towards a framework for improved reporting processes and effectiveness
2009	Dill EM	Barry ML	MTM	Development of a project selection framework at Absa
2009	Geldenhuys CJ	Staphorst L	MTM	A study of managed services for South African mobile communication service providers
2009	Gopichund R	Walwyn D	MTM	Technology management development of cost indicators of technology management within certain large chemical companies of South Africa
2009	Grobbelaar S	Visser JK	MTM	Evaluating strategic maintenance decision making
2009	Grover AS	Pretorius MW	MTM	Technology audit: the state of human language technologies R&D in South Africa
2009	Herselman CF	Benade SJ	MTM	Sustainable innovation in software development: South African software development companies in focus
2009	Jacobs B	Pretorius L	MTM	Technology advancements in the chromite beneficiation industry
2009	Kara VP	Buyes AJ	MTM	Technology and business strategy integration: An Anglo American PLC study
2009	Krause W	Benade SJ	MTM	Interactive voice response design for increased self-service in banking
2009	Kulehile MT	Weeks RV	MTM	The selection and customisation of a technology forecasting model for business intelligence firms in South Africa
2009	Mabaso K	Brent AC	MTM	An investigation into a method to quantify the social impact/footprint of Procter & Gamble's operations in South Africa
2009	Mabitsela PS	Kachienga MO	MTM	Framework for optimal diffusion of innovative industrial automation technology at Sasol
2009	Mammen V	Steyn JL	MTM	An investigation of a selected automotive supplier park in South Africa from a logistics perspective
2009	Manthata O	Kachienga MO	MTM	Evaluation of innovation fund effectiveness in promoting the economic competitiveness of South Africa
2009	Mkhize MB	Amadi-Echendu	MTM	Technology roadmapping in mining: A case study of South African platinum mining firms
2009	Mogale PJ	Barry ML	MTM	The effect of the project risk management processes on ICT projects - The case of an ICT organisation
2009	Mosisili T	Kruger CJ	MTM	Developing an assessment model for transition to an open source software strategy
2009	Mostert ML	Visser JK	MTM	Required support processes for the sustainable implementation of a maintenance optimisation process
2009	Mothlabedi TSP	Amadi-Echendu	MTM	Deployment of engineering asset management: a case study
2009	Motjale M	Benade SJ	MTM	Knowledge management in project based organisation
2009	Nabbie A	Steyn JL	MTM	Technology familiarity and its influence on customer resistance to new products: The de Beers DEB Tech case study
2009	Ngomane E	Kachienga MO	MTM	Evaluation of cost effectiveness of remote access to protection relays in substations: Eskom Northern region
2009	Tshangela MM	Brent AC	MTM	Investigating the incorporation of technology assessment and environmental impact assessment practices for sustainable development
2009	van Eden B	Buyes AJ	MTM	Best practices in R&D management for the South Africa Air Force
2009	Visser SF	Visser JK	MTM	Outsourcing of maintenance and design
2010	Baloi TE	Pretorius L	MTM	An investigation of project management challenges encountered by engineering and construction organisations in South Africa
2010	Bangani TM	Pretorius MW	MTM	Technology roadmapping for technology planning: The case of Eskom technology planning practices
2010	Bredenkamp CJ	Benade SJ	MTM	Fleet utilisation and management processes related to fuel distribution - A critical evaluation of fleet utilisation at Sasol Oil
2010	Bulane IA	Visser JK	MTM	The effect of procurement policies on the delay of roads construction projects in the department of roads and public works: Northern Cape Province
2010	Coetzee AJ	Benade SJ	MTM	The impact of economic cycles on investment in technology development in mining industry
2010	Eksteen SV	Amadi-Echendu	MTM	A case study on physical asset management
2010	Fernandez LAF	Sparrius AD	MTM	An investigation into engineering integration management of power generation projects
2010	Gouws PA	Brent AC	MTM	The contribution of energy efficiency towards the success of industrial organisations in South Africa
2010	Hanghome IB	Kachienga MO	MTM	Restructuring of electricity supply industry (ESI) in Namibia - Development of a competitive electricity trading framework
2010	July B	Kruger LLSJK	MTM	Determining critical success factors and barriers to integrating a quality management system in a business organisation: A case study
2010	Kadanthode RJ	Steyn HdeV	MTM	Critical chain project management (CCPM) to achieve client satisfaction for Larox group project department: A case study
2010	Keely AL	van Waveren C	MTM	An empirical study on the indicators and factors for successful Six Sigma development in the mining industry: A South African case
2010	Makula TJ	Buyes AJ	MTM	Analysis of technology (ICT) acquisition management in a technology based company: ETL
2010	Mathane ST	Buyes AJ	MTM	Viability of R&D and innovation in services companies: ATNS case study
2010	Mkhize W	Brent AC	MTM	An investigation into the application of a Multi Criteria Decision Analysis (MCDA) technique to assess renewable energy
2010	Mokhobo MW	Visser JK	MTM	An analysis of the project risk management process applied for demand side management projects
2010	Mosweu MS	Pretorius L	MTM	The importance of asset life cycle management in managing rolling stock
2010	Mthembu IB	Pretorius MW	MTM	Considerations for development of a strategy for stockpiling of nuclear fuel in South Africa
2010	Myburgh JG	Ellis HJP	MTM	Establishment of a life assessment and decision methodology for critical network transformers
2010	Nandjiwa EI	Visser JK	MTM	The linkage between technology & maintenance management - A focus on Heavy Mining Equipment (HME)
2010	Ndamase AM	Steyn JL	MTM	Technology transfer compliance with TMC requirements for global supply: A case study of Toyota SA motor parts suppliers
2010	Needham PG	Benade SJ	MTM	A systems engineering framework for small hydro power development in South Africa
2010	Peach WD	Brent AC	MTM	The development of the sustainable technology balance sheet: A generic technology assessment tool to assess the sustainability of renewable energy technologies
2010	Rasetlola RT	Amadi-Echendu	MTM	A comparative study on technology commercialisation models
2010	Rauch M	Weeks RV	MTM	Utilisation of wireless versus wired access technologies in the South African food-related manufacturing industry
2010	Sampson PA	Buyes AJ	MTM	Innovation criteria for radical nuclear technology
2010	Shongwe MA	Pretorius MW	MTM	Analysing mobile operators migration strategies for evolving to Long Term Evolution (LTE) technology
2010	van der Leek M	Pretorius L	MTM	The commercial value of disciplined innovation in fast-moving high-tech ICT business
2010	Visagie AL	Kruger LLSJK	MTM	A systems approach to business improvement within manufacturing
2010	Wegman EJ	Gerryts B	MTM	Towards a technology roadmap for civil commercial unmanned aircraft systems in South Africa