

Mini-Dissertation Titles - Masters in Engineering Management 2018-2020



Year	Author	Supervisor	Degree	Title
2018	Badenhorst L	Van der Lingen E Prof	MEM	The 4th industrial revolution's impact on relationships between manufacturers and distributors
2018	Bisanda MP	Van Waveren CC Mr	MEM	An Investigation on the influence that individual and Project characteristics have on Project Manager's choice of knowledge transfer mechanism for learning from previous projects
2018	Boustead LJ	Pretorius MW Prof	MEM	The Application of Additive Manufacturing in the South African Spinal Orthopedic Industry for the manufacture of Patient Specific Implants: An Exploratory Review
2018	Breytenbach C	Naude R Mr	MEM	Analysing technology transfer in a outsourced mobile telecommunications operational environment
2018	Chetty CJ	Botha A Dr	MEM	Leaving a legacy - Transferring Engineering Knowledge in a mobile workforce environment
2018	Cosa LC	Visser JK Prof	MEM	An investigation into the history & trends of new maintenance technologies in the South African Process manufacturing industries
2018	de Vos EH	Walwyn D Prof	MEM	A Quantitative Study of the Influence of Personality on the Problem Solving Approaches of Engineering Students at the University of Pretoria
2018	Dlamini SM	Lotz M Dr	MEM	Residential consumer's willingness to pay for a premium priced green electricity
2018	Eloff R	Botha A Dr	MEM	Business strategy framework for SME Engineering Consulting firms in South Africa
2018	Gaingob M	Baker L Dr	MEM	Development of embedded electricity generation at municipal level in South Africa
2018	Gilbert RB	Peach R Ms	MEM	A Maintenance Performance Measurement framework incorporating information system aspects for improved effectiveness
2018	Herbst TF	Pretorius MW Prof	MEM	Alignment of technology management strategy and business model, the next ten years: a case study
2018	Huisamen E	Crafford A Ms	MEM	Programme evaluation of Hydra Arc's internal supervisor training programme (HAISTP) to upskill supervisory level in the petrochemical manufacturing and maintenance arenas
2018	Jansen van Rensburg R	Benade S Dr	MEM	Different organisational structures and the effect on quality of service, efficiency and turnover in consulting engineering firms
2018	Kawana BM	Visser JK Prof	MEM	Effectiveness of different organisation structures in Maintenance Management in Namibia
2018	Kritzinger NM	Ross V Dr	MEM	How portfolio performance measures can stimulate and direct creativity and innovation in the organisation
2018	Mabuza SB	Steyn HDV Prof	MEM	An explorative study to determine the factors that promote and discourage knowledge transfer in South African Construction companies using projects reviews and why.
2018	Maimbo TT	Amadi-Echendu J Prof	MEM	A case study investigation into reliability of waste-water treatment plants
2018	Makgato MG	Crawford A Dr	MEM	Program evaluation of Hydra Arc's internal supervisor training program (HAISTP) to upskill supervisory level staff in the petrochemical manufacturing
2018	Malan HT	Visser JK Prof	MEM	Identification of risks associated with process automation systems: A case study of Sasol Process Automation Layers
2018	Maluleke RT	Pohl F Mr	MEM	Strategic Business Location Theory : Assessing its applicability within the South African context
2018	Maphanga W	Visser JK Prof	MEM	Factors that influence the outsourcing of maintenance activities: A quantitative study within the South African petrochemical industry
2018	Matsenjwa	Grobelaar S (Schalk) Mr	MEM	Pro-poor value chains for small scale farming innovation: sustainability improvements through ICT
2018	Mavimbela LE	Benade S Dr	MEM	Applying systems engineering to improve acquisition process for Condition Assessment Systems within TFR
2018	Moodley R	Steyn HDV Prof	MEM	Factors influencing the success of cross-boarder projects in African Countries. A case study of ten projects executed by a South African based company
2018	Mphadza FR	Benade S Dr	MEM	Product design for product life cycle management (PLM) in manufacturing enterprises within the South African defence industry
2018	Mthiyane ZS	Amadi-Echendu J Prof	MEM	A biographic study of trends in the Technology Management of electric power control and protection devices
2018	Munien D	Visser JK Prof	MEM	A study of different maintenance tactics and approaches used in the motor manufacturing industry
2018	Nake L	Benade S Dr	MEM	Enterprise and supplier development practices of state-owned companies in South Africa
2018	Ncube T	Lalk J Dr	MEM	An analysis of the benefits and results of energy efficiency in South African industry
2018	Omphemetse C	Visser JK Prof	MEM	Assessment of maintenance management practices in Industrial companies of Botswana
2018	Pienaar C	van der Lingen E Prof	MEM	A framework for successful NPD in a Petrochemical organisation
2018	Pillay K	Naude R Mr	MEM	The application of big data analytics as a differentiator for Pay TV Operators
2018	Poggenpoel JJ	Pretorius S Mrs	MEM	Different leadership styles and their attributes influencing infrastructure projects
2018	Prins W	Walwyn D Prof	MEM	Vertical farming : Using technology innovation system theory to predict potential technology adoption
2018	Ramlal R	Amadi-Echendu J Prof	MEM	An investigation into product servisation and the maintenance of turbomachinery in the crude oil refining environment
2018	Schnetler M	Pretorius L Prof	MEM	Organisational resilience in disaster management: A flooding case study
2018	Shikongo EN	Lalk J Dr	MEM	An Analysis of the Role of the Private and Public Sector Investments in Shaping Technological Development in Renewable Energy in Namibia
2018	Subroyen T	Wolmarans H Prof	MEM	Challenges of reducing financial overruns on a large Petrochemical Project in South Africa
2018	van der Merwe M	Van Waveren CC Mr	MEM	An investigation on the correlation between project management maturity and project performance
2018	van Rooyen M	van der Lingen E Prof	MEM	A framework for successful technology commercialisation with relevance to the metallurgical industry
2018	Venketaiah E	Pohl F Mr	MEM	An investment in knowledge pays the best interest: An investigation into the relationship between knowledge transfer and project success
2018	Yusuf TM	Thopil G Dr	MEM	A case study on the South African power sector model: Effects of introducing smart grids within the electricity distribution industry
2018	Zinatsa RM	Chan A Prof	MEM	Impact of intra-organisational networks on team effectiveness
2019	Botha PJJ	Benade S Dr	MEM	The impact of (early) system Engineering on Project Management
2019	Botha WJ	Chan A Prof	MEM	An empirical study in exploring the relationships among design thinking, team diversity, team integration and team performance
2019	Botholo GM	Amadi-Echendu J Prof	MEM	Condition assessment of assets deployed in primary healthcare facilities
2019	Brits RH	Viljoen P Mr	MEM	The extent to which systems thinking decision making can improve the bottom line: A simulation-based comparison of TOC and traditional accounting decisions making in the mining industry
2019	Busang NM	Pretorius MW Prof	MEM	The impact of omitted factors on the development and execution of Kusile power station
2019	Du Plessis L	Meyer W Dr	MEM	Market performance and portfolio success: The pragmatic relational study applied in the global mining and metals industry

2019	Gawler JD	Viljoen P Mr	MEM	Understanding profitability and key success factors of owner managed manufacturing small and medium Enterprises in South Africa
2019	Hofisi B	Visser JK Prof	MEM	Limitations on implementing maintenance strategies in manufacturing and mining sectors
2019	Horak WE	Pretorius L Prof	MEM	Towards higher yields: A theory of constraints approach to aquaponic systems
2019	John RS	Erasmus L Dr	MEM	Effective systems engineering for radar systems development in a research and development environment: A case study
2019	Kgoetego MC	Walwyn D Prof	MEM	The effect of environmental policies on the manufacturing sector: a case study of Sasol's air emissions
2019	Khoarai KM	Amadi-Echendu J Prof	MEM	A case study analysis of asset management practices in hydropower generation
2019	Khumalo BZ	Pretorius MW Prof	MEM	Application of Technology Identification and Acquisition strategies when implementing emission reduction strategies: A view of South African firms
2019	Kubu GK	Visser JK Prof	MEM	The implementation of Change Management practices in a manufacturing process industry
2019	Kupa PM	Naude R	MEM	Understanding the role of spectrum in 5G mobile technology adoption
2019	Kwinda M	Botha A Dr	MEM	Futures Studies: Preparing for tomorrow's business in a slow changing environment
2019	Le Roux MJ	Pretorius MW Prof	MEM	Open Innovation as Driver for Technological Capability in South Africa
2019	Lebata M	Amadi-Echendu J Prof	MEM	A review of legislation, guidelines and standards applicable to managing infrastructure assets: a case study of the city of Ekurhuleni
2019	Lovell R	Walwyn D Prof	MEM	The development of a Health Technology Assessment Policy and operating
2019	Machingauta ES	Blyth D	MEM	Improving the integration of asset management, life cycle management and supply chain management using systems engineering, a study of mining companies in Zimbabwe
2019	Mahachi FJ	Walwyn D Prof	MEM	Energy Transition in Developing Countries: A Case Study of Zimbabwe
2019	Makari Y	Craford A Dr	MEM	Barriers women face in the Namibian Construction Industry
2019	Manchest CS	Pretorius S Mrs	MEM	Exploring the appropriate leadership style balance for critical phases of a Business Process Framework implementation in the South African Coal mining industry
2019	Marren R	Amadi-Echendu J Prof	MEM	An investigation into technology procurement investment decisions between a retailer and its manufacturers in the FMCG industry
2019	Masvaure D	Visser JK Prof	MEM	The use of maintenance technologies in the mining industry: South Africa
2019	Matiyenga FG	Pretorius MW Prof	MEM	An Assessment of Industry 4.0 Readiness and Maturity for a South African Automotive Company
2019	Matodzi RG	Chan A Prof	MEM	An Empirical Study to Identify the Characteristics that Impact on Individual Innovative Behaviour and their Effect on Productivity in the Workplace
2019	Mole NE	Amadi-Echendu J Prof	MEM	Diffusion of mobile telephony: a case of Lesotho
2019	Moola I	Thopil G Dr	MEM	Policy recommendations towards encouraging the growth of embedded generation through urban residential rooftop PV system installations
2019	Motloba TP	Du Plessis M Mr	MEM	Enhancing the Effectiveness and Impact of Digitization in the Opencast Mining Operations
2019	Mthiyane NH	Pretorius MW Prof	MEM	Industry 4.0 - A skills gap analysis at an electricity utility
2019	Mullineux D	Thopil G Dr	MEM	Carbon Dioxide evaluation in the South African industrial sector
2019	Muzenda T	Blyth D	MEM	Systems Engineering Management: Aligning Supply Chain Management, Asset Management and Life Cycle Management
2019	Nkoana KJ	Sparrius A Dr	MEM	Understanding Construction Delays and Extension of Time in South African Transport Infrastructure Projects
2019	Nxumalo MS	Botha A Dr	MEM	Future thinking and strategic planning: creating a preferred future in telecommunications industry
2019	O'Grady Moutinho F	Botha A Dr	MEM	Transition Management in Complex Economic Growth - Beyond the Knowledge Era
2019	Oldjohn KR	Chan A Prof	MEM	Exploring relationships between team dynamics and innovation
2019	Raman KJ	Amadi-Echendu J Prof	MEM	Investigation into the Condition Assessment of Railway Track Infrastructure
2019	Sabeka S	Lalk J Dr	MEM	Zimbabwe Energy Policy - Is it promoting or discouraging economic growth: A case study of Independent Power Producers' (IPPs) inertia to enter into the electrical energy market in Zimbabwe
2019	Schehle M	Van der Lingen E Prof	MEM	Analysing the appropriateness of knowledge and skills transfer in South African Incubators
2019	Sehoana KA	Lalk J Dr	MEM	Assessing regulatory schedule delay risks during a nuclear power plant construction project
2019	Smith WA	Bekker MC Dr	MEM	Projectification in the South African Mining Industry
2019	Taljaard A	Benade S Dr	MEM	Distribution Channel Planning Process: A Case Study for Columbus Stainless in the South African Stainless Steel Industry
2019	Van den Ordell C	Van der Lingen E Prof	MEM	Creativity in problem solving: Creativity of young recently qualified Engineers in South African mines
2019	Viljoen RB	Visser JK Prof	MEM	Retrofits and refurbishments as alternative solutions to replacement of aged switchgear in a petrochemical plant
2019	Wride CJ	Chan A Prof	MEM	Project team dynamics and team learning
2020	Bartlett CM	Amadi-Echendu J Prof	MEM	Condition assessment of structural steel and reinforced concrete structures in a petrochemical environment
2020	Louw B	Ouma J Prof	MEM	The role of public procurement in promoting technological innovation in the South African water and sanitation construction industry
2020	Tshabangu SZ	Ouma J Prof	MEM	Exploring the use of public procurement to promote innovation in the South African energy sector: The evolution of solar energy procurement
2020	Smit S	Naude R Mr	MEM	An investigation into the application of blockchain technology in supply chain: A focus on freight forwarding
2020	Tshikudo GP	Peach R Ms	MEM	Maintenance 4.0 as an element of Industry 4.0: Assessing the readiness of a South African SOE
2020	Sekokotla SJ	Benade SJ Dr	MEM	Evaluating the impact of asset management practices in the local government electricity sector: A case study of CoT Municipality
2020	Chuma MK	Amadi-Echendu J Prof	MEM	Evaluation of maintenance performance measurements: A case study of pulp and paper mill
2020	Khumalo SA	Amadi-Echendu J Prof	MEM	Analysis of simulated changes in the condition of shell and tube heat exchangers
2020	Alex A	Peach R Ms	MEM	Factors influencing the performance of railway track maintenance teams
2020	Mohammed ASM	Pretorius L Prof	MEM	Challenges in applying risk management in developing countries construction project
2020	John RR	Amadi-Echendu J Prof	MEM	Analysis of transmission circuit breakers on Eskom faults
2020	Mahadeo Y	Amadi-Echendu J Prof	MEM	Analysis of Ship-to-Shore crane maintenance at a container port
2020	Ngobeni S	Pretorius L Prof	MEM	Alternative methods and tolls used for project risk analysis
2020	Matjila SB	Thopil G Dr	MEM	The cost benefit analysis for rural off-grid electrification projects in South Africa
2020	Mbuli TM	Amadi-Echendu J Prof	MEM	Assessing factors that cause delays in road maintenance projects: a case study of the Western Cape Province of South Africa

