

WEDNESDAY 24 OCTOBER 2018

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| 07:30 | REGISTRATION | | | | <i>Foyer</i> |
| 09:00 | Welcoming (SAIIE - chair of OC) Jacques Fauré | | | | <i>Auditorium</i> |
| 09:10 | KEYNOTE ADDRESS THE DIGITAL TRANSFORMATION: CHANCES AND CHALLENGES IN INDUSTRY 4.0 AND BEYOND Prof Dietmar Theis | | | | |
| 10:00 | KEYNOTE ADDRESS TO FOLLOW OR LEAD – AT WHAT EXPENSE Marang Marekimane | | | | |
| 10:50 | TEA/COFFEE | | | | <i>Foyer</i> |
| Venue | <i>Auditorium</i> | <i>Simonsberg</i> | <i>Stellenberg</i> | <i>Old Wine Cellar</i> | |
| Theme | 1. Engineering Management | 2. Quality Management, Reliability & Maintenance | 3. Data Management | 4. Manufacturing Environment | |
| Chair | Walter Booyesen | PJ Vlok | Quintin van Heerden | Thomas Tengen | |
| 11:20 | PRACTICAL APPLICATION OF AN OBJECTIVE METHODOLOGY TO EVALUATE INDUSTRIAL ENERGY EFFICIENCY MODELS FOR THE RSA SECTION 12L TAX INCENTIVE (Lee-Ann Botes*) [Ref:3581] | DEVELOPING A MODEL TO OVERCOME THE ORGANISATIONAL COMMUNICATION DEFICIENCIES BETWEEN STAKEHOLDERS IN THE ASSET MANAGEMENT INDUSTRY (Nina van Rooyen*, Johannes Jooste) [Ref:3765] | A DATA QUALITY EVALUATION FRAMEWORK FOR INDUSTRIAL ENERGY EFFICIENCY REPORTING (Waldt Hamer*, Walter Booyesen, Edward Mathews) [Ref:3587] | ENERGY COST REDUCTION IN SECONDARY STEEL MAKING THROUGH IMPROVED PRODUCTION PLANNING (Wiehan Pelsler*) [Ref:3598] | |
| 11:45 | DEVELOPMENT OF AN ASSURANCE FRAMEWORK FOR SOUTH AFRICAN CARBON TAX (Andries Gous*) [Ref:3582] | CONTINUOUS EVALUATION OF OPERATIONAL RISKS ON DEEP-LEVEL MINE EQUIPMENT (Stephan van Jaarsveld*, Wihan van Blerk, Johannes Marais, Pieter Goosen) [Ref:3604] | USING DATA-DRIVEN ANALYTICS TO DEVELOP A MATERIAL BALANCE OVER FERROCHROME FURNACES (Kristy Campbell*, Walter Booyesen, Marius Kleingeld) [Ref:3610] | A RECONFIGURABLE ROBOTIC END EFFECTOR FOR MACHINING AND PART HANDLING (Clydene Reddy*) [Ref:3837] | |

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| 12:10 | A SYSTEMS APPROACH TO SUSTAIN RSA SECTION 12L TAX INCENTIVE PROJECTS (Walter Booyesen*) [Ref:3574] | IMPLEMENTING A REMOTE CONDITION MONITORING SYSTEM FOR SOUTH AFRICAN GOLD MINES (Antonie Stols*) [Ref:3760] | CONCEPTUAL EVALUATION TOOL FOR ASSESSING THE COMPANY READINESS LEVEL TO IMPLEMENT AN ERP SOLUTION AS A STEPPING STONE FOR THE 4TH INDUSTRIAL REVOLUTION (Johannes Oberholzer, Leri Bezuidenhout*) [Ref:3548] | ROOT CAUSE ANALYSIS FOR REDUCTION OF WASTE ON RUBBER CABLES (Mendon Dewa*) [Ref:3783] |
| 12:35 | A RISK MANAGEMENT STRATEGY TO IDENTIFY AND PRIORITISE FACTORS AFFECTING INDUSTRY'S CARBON TAX (Janine Booyesen*) [Ref:3573] | A MODEL FOR THE RELATIONSHIP BETWEEN SUSTAINABILITY AND OPERATIONS STRATEGY PERFORMANCE OF A WATER UTILITY IN SOUTH AFRICA (Mthunzi Lushozi, Bruno Emwanu*) [Ref:3838] | THE CURSE OF COUNTING AND THE DESTINY OF DATA (Paul Kruger*) [Ref:3892] | DEVELOPING A BY-PRODUCT GAS CONTROLLER TO IMPROVE ON-SITE ELECTRICITY GENERATION FOR IRON AND STEEL MANUFACTURING (Wynand Breytenbach*, Alexander Ludick, Johan Marais) [Ref:3594] |
| 13:00 | LUNCH | | | <i>Foyer</i> |
| Venue | <i>Auditorium</i> | | Simonsberg | |
| Theme | Workshop: 4th Industrial Revolution: Implications and Implementation Roadmap for organisations | | Workshop: Cutting Edge Lean Thinking | |
| Presenter | Dr Harry Teifel | | Rose Heathcote | |
| 14:00 | Workshop | | Workshop | |
| 15:30 | TEA/COFFEE | | | <i>Foyer</i> |
| 16:00 | Workshop continues | | Workshop continues | |
| 17:30 | POSTER FLASH PRESENTATIONS | | | <i>Auditorium</i> |
| 18:00 | POSTER SESSION | | | <i>Foyer</i> |
| 18:00 | COCKTAIL | | | <i>Foyer</i> |

THURSDAY 25 OCTOBER 2018

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|--------------|--|--|---|---|------------|
| 08:00 | REGISTRATION | | | | Foyer |
| 09:00 | ANNOUNCEMENTS | | | | Auditorium |
| 09:10 | KEYNOTE ADDRESS HOW TO SURVIVE IN THE DIGITAL DISRUPTION Prof Wikus van Niekerk | | | | |
| Venue | <i>Auditorium</i> | Simonsberg | Stellenberg | Old Wine Cellar | |
| Theme | 5. Engineering Management | 6. Supply Chain Management | 7. Enterprise Engineering | 8. Industrial Engineering in the Health Sector | |
| Chair | Bernadette Sunjka | Louis Louw | Saartjie Grobbelaar | Liezl van Dyk | |
| 10:05 | THE 4TH INDUSTRIAL REVOLUTION'S IMPACT ON RELATIONSHIPS BETWEEN MANUFACTURERS AND DISTRIBUTORS (Ludolf Badenhorst*, Elma van der Lingen) [Ref:3585] | LOOKING BEYOND THE STORM (Renier Steynberg*, Ashleigh Jacobs) [Ref:4081] | TOWARD THE DEVELOPMENT OF SUSTAINABLE BUSINESS MODELS FOR SOCIAL ENTERPRISES (Ridge Armstrong*, Sara Grobbelaar) [Ref:3656] | LEAPFROGGING TO INDUSTRY 4.0: LESSONS FROM THE HEALTHCARE INDUSTRY (Whisper Maisiri*, Liezl van Dyk) [Ref:3651] | |
| 10:25 | INDUSTRY 4.0 IMPLICATIONS IN THE AUTOMOTIVE AFTERSALES SECTOR IN SOUTH AFRICA: A LITERATURE REVIEW (Edward Davies*, Rojanette Coetzee) [Ref:3586] | A CASE STUDY - MANAGING OPERATIONAL AND SUPPLY CHAIN EFFICIENCY: STOCHASTIC MODELLING OF A NEW PRODUCTION FACILITY (Jacobus de Wet*, Jan-Harm Pretorius) [Ref:3494] | A SYSTEMATIC REVIEW OF THE DUE DILIGENCE STAGE OF MERGERS AND ACQUISITIONS TOWARDS A CONCEPTUAL FRAMEWORK (Vivek Bhagwan*, Sara Grobbelaar, Wouter Bam) [Ref:3705] | A DECISION SUPPORT TOOL FOR EXPLORING PHARAMCEUTICAL SUPPLY CHAIN DATA (Christian Nolting*, Sara Grobbelaar, Jan H. van Vuuren) [Ref:3675] | |

| 10:45 | | TEA/COFFEE | | | Foyer |
|-------|--|--|--|---|-------|
| Venue | Auditorium | Simonsberg | Stellenberg | Old Wine Cellar | |
| Theme | 9. Engineering Management | 10. Industrial Engineering in Mining | 11. Simulation and Operations Research | 12. Railway Engineering | |
| Chair | Elma van der Lingen | Hendrik Brand | Fanie Terblanche | Leon Pretorius | |
| 11:15 | COMPETITIVE ADVANTAGE DURING INDUSTRY 4.0: THE CASE FOR SOUTH AFRICAN MANUFACTURING SMES (Matt Futcher, Bernadette Sunjka*) [Ref:3526] | OPTIMISING PRODUCTION THROUGH IMPROVING THE EFFICIENCY OF MINE COMPRESSED AIR NETWORKS WITH LIMITED INFRASTRUCTURE (Diaan Nell*) [Ref:3612] | WARM-START HEURISTICS FOR SOLVING PASSIVE OPTICAL NETWORK PLANNING PROBLEM (Ruan Luies*, Stephanus Terblanche, Magdalena Grobler) [Ref:3657] | TRAIN DRIVER AUTOMATION STRATEGIES TO MITIGATE SIGNALS PASSED AT DANGER ON SOUTH AFRICAN RAILWAYS (Johannes Hendrik van der Merwe*, Bernadette Sunjka) [Ref:3539] | |
| 11:40 | BALANCING OF PRODUCTION LINE FOR CAR ENGINE COOLING SYSTEM COMPONENTS FOR INVENTORY REDUCTION (Kate Lusiba*, Mendon Dewa) [Ref:3774] | ENVIRONMENTAL DATA BENCHMARKING REPORTING STRUCTURE FOR THE SOUTH AFRICAN GOLD MINING INDUSTRY (Hendrika Magdalena Janse van Rensburg*) [Ref:3652] | THE SIN OF AVERAGING; WHY OPTIMISATION IS IMPERATIVE REQUIRED (Philip Venter*, Stephanus Terblanche, Martin van Eldik) [Ref:3767] | THE QUALITY OF COMMUTER RAIL SERVICE IN THE CITY OF CAPE TOWN: IDENTIFYING THE FACTORS AFFECTING THE PROVISION OF A RELIABLE COMMUTER RAIL (Philani Zincume*, Tom Ryan, Corrinne Shaw) [Ref:3641] | |
| 12:05 | AN INFORMATION SYSTEMS APPROACH TO THE PROACTIVE MANAGEMENT OF SUBSCRIBER IDENTIFICATION MODULES IN INDUSTRY (Jaco Prinsloo*, Marc Mathews, Johan du Plessis, Jan Vosloo) [Ref:3553] | SIMULATING OPERATIONAL IMPROVEMENTS ON MINE COMPRESSED AIR SYSTEMS (Charl Cilliers*, Brandon Friedenstien, Johann Van Rensburg) [Ref:3608] | DESIGN OPTIMISATION OF WET SPENT GRAIN DRYING SYSTEM (Maxwell Dzanya, Kudakwashe Pasurayi, Portia Mupfumira*, Steven Kasukusa) [Ref:3668] | ANALYSIS OF DEMAND FORECASTING STRATEGIES AND PRACTICES FOR EMPTY RAIL WAGONS - A SOUTH AFRICAN CASE (Robert Mutyavavire*, Meshack Mazibuko) [Ref:3681] | |

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| 12:30 | THE SUITABILITY OF SAP ERP TO GENERATE A MAINTENANCE ZERO BASED BUDGET (Colin Saffy*, Joke Buhrmann) [Ref:3556] | DYNAMIC OPTIMISATION OF DEEP-LEVEL MINE REFRIGERATION CONTROL (Pieter Peach*, Johan Bredenkamp, Johann van Rensburg) [Ref:3894] | ESTIMATING DELAY AT A SIGNALIZED INTERSECTION USING QUEUING MODELS (Zanele Mpanza*) [Ref:3543] | PROPOSE A CONCEPTUAL PROGNOSTIC MODEL BASED ON THE CONDITION OF RAILWAY VEHICLE MOVING COMPONENTS (Jacques Coetzee*, Leon Pretorius) [Ref:3823] |
| 12:50 | LUNCH | | | <i>Foyer</i> |
| Venue | <i>Auditorium</i> | | <i>Old Wine Cellar</i> | |
| Theme | Workshop: <i>Exploring Wolfram Multi-paradigm data science</i> | | Workshop: <i>The quest for operational excellence</i> | |
| Presenter | Clemens Dempers | | Sisakunga Pasiya | |
| 14:00 | Workshop | | Workshop | |
| 15:30 | TEA/COFFEE | | | <i>Foyer</i> |
| 16:00 | Workshop continues | | Workshop continues | |
| 19:00 | CONFERENCE DINNER | | | <i>Simonsberg rooms</i> |

FRIDAY 26 OCTOBER 2018

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|--------------|--|--|---|--|------------|
| 08:00 | REGISTRATION | | | | Foyer |
| 09:00 | ANNOUNCEMENTS | | | | Auditorium |
| 09:10 | KEYNOTE ADDRESS SURVIVING INDUSTRY 4.0 Dr Ir Eric Lutters | | | | |
| 10:00 | Tea/Coffee | | | | Foyer |
| Venue | <i>Auditorium</i> | <i>Simonsberg</i> | <i>Stellenberg</i> | Old Wine Cellar | |
| Theme | 13. Engineering Management | 14. Supply Chain Management | 15. Simulation and Operations Research | 16. Industrial Engineering in the Health Sector | |
| Chair | Anthon Botha | Martin Bailey | Pieter Conradie | Imke de Kock | |
| 10:30 | RAPIDLY ARRIVING FUTURES: FUTURE READINESS FOR INDUSTRY 4.0 (Anthon Botha*) [Ref:3857] | SUPPLY CHAINS OF THE FUTURE (Martin Bailey*) [Ref:3692] | TAYLOR SERIES METHOD FOR THE ANALYSIS OF NON-LINEAR AND DYNAMIC ENERGY CONSUMPTION MODEL UNDER A FLEXIBLE INVENTORY MODEL (Blaise Bolan Benga*, Thomas Tengen, Alfayo Alugongo) [Ref:3816] | PUBLIC-PRIVATE SUPPLY CHAIN INTEGRATION AS A POSSIBLE MEANS TO IMPROVE PUBLIC HEALTH SUPPLY CHAINS (Jessica Botes, Wouter Bam*, Imke de Kock) [Ref:3538] | |
| 10:55 | USING AN ADAPTED SYSTEM DYNAMICS APPROACH TO DETERMINE THE LINKAGE BETWEEN ELECTRIC VEHICLE MARKET PENETRATION AND AFFORDABILITY (Nalini Pillay*, Alan Brent, Josephine Musango) [Ref:3723] | STUDY ON RISK PREVENTION AND CONTROL MECHANISM OF LOGISTICS PROJECT (Dafeng Xu*) [Ref:3887] | AUTOMATED INVESTMENT ASSESSMENT: AN INVESTMENT DECISION MAKING MODEL FOR THE ORDINARY PERSON (Melissa Van Niekerk*) [Ref:4083] | EVALUATING THE ROLE OF INNOVATION IN THE ADOPTION OF PHARMACEUTICALS AND HEALTHCARE TECHNOLOGIES IN SOUTH AFRICA (Elizabeth Leonard*, Imke de Kock, Wouter Bam) [Ref:3550] | |

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| 11:20 | CAN THE MACHINE! (Dieter Hartmann*) [Ref:3784] | DEMAND FORECASTING FOR NETWORK CAPACITY PLANNING IN ELECTRICAL UTILITIES: A REVIEW OF EXISTING METHODS CONSIDERING THE EVOLVING TECHNOLOGIES OF THE ENERGY ARENA (Jana Breedt*, Louis Louw, Imke De Kock) [Ref:3743] | PILOT PRODUCTION ENVIRONMENTS DRIVEN BY DIGITAL TWINS (Eric Lutters*) [Ref:3568] | HOSPITAL INVENTORY MANAGEMENT: A SYSTEMATIC REVIEW OF THE LITERATURE (Matthew Higgo*, Sara Grobbelaar, Joubert van Eeden) [Ref:3570] |
| 11:45 | TOWARDS AN INITIATIVE BASED INDUSTRY 4.0 MATURITY IMPROVEMENT PROCESS: MASTER DRILLING AS A CASE STUDY (Gideon Maasz*, Hasan Darwish) [Ref:3734] | TOWARDS AN INTERNET-OF-THINGS FRAMEWORK FOR ASSISTING QUALITY-CONTROLLED-LOGISTICS DECISION MAKING WITHIN THE FRESH PRODUCE SUPPLY CHAIN (Lelani Joubert*, Louis Louw) [Ref:3583] | DEVELOPMENT OF A DISCRETE-EVENT, STOCHASTIC MULTI-OBJECTIVE METAHEURISTIC SIMULATION OPTIMISATION SUITE FOR A COMMERCIAL SIMULATION SOFTWARE PACKAGE (Toussaint Bamporiki*, James Bekker) [Ref:3628] | DEVELOPING A CHALLENGES LANDSCAPE RELATING TO DRUG-SAFETY, -PROVISION AND -DISTRIBUTION IN RESOURCE LIMITED SETTINGS FOR THE CASE OF HIV/AIDS (Biancé Huysamen*, Imke de Kock, Louzanne Bam) [Ref:3584] |
| 12:10 | A METHODOLOGY TO ASSIST PROJECT-BASED ORGANISATIONS TO UTILISE AND DEVELOP PROJECT MANAGEMENT CAPABILITY AS A STRATEGIC ASSET TO INCREASE COMPETITIVE ADVANTAGE (Coenraad J Nel*) [Ref:3713] | A SYSTEMATIC REVIEW OF 3PLs' ENTRY INTO REVERSE LOGISTICS (Locadia Tombido*, Louis Louw, Joubert Van Eeden) [Ref:3593] | A REAL-TIME SCHEDULING SYSTEM FOR A SENSORISED JOB SHOP USING CLOUD-BASED SIMULATION WITH MOBILE DEVICE ACCESS (Stephan Snyman*, James Bekker, John-Pieter Botha) [Ref:3575] | CONSIDERING THE NEED FOR ALTERNATIVE INTERVENTION STRATEGIES FOR THE MANAGEMENT OF DIABETIC POLICY FORMULATION IN SOUTH AFRICA (Victoria-Lea Thomas*, Imke de Kock, Louzanne Bam) [Ref:3590] |
| 12:30 | LUNCH | | | Foyer |

| Venue | Auditorium | Simonsberg | Stellenberg | Old Wine Cellar |
|-------|---|--|---|---|
| Theme | 17. Engineering Management | 18. Project Development & Management | 19. Data Management | 20. Industrial Engineering in the Health Sector |
| Chair | Jacques Fauré | Corné Schutte | James Bekker | Imke de Kock |
| 13:30 | INDUSTRY 4.0: A MYTH OR A REALITY IN SOUTH AFRICA? (Mncedisi Dewa, Tinashe Tendayi, Mlondolozzi Gxamza, Lilian Ganduri, Lungile Nyanga, Dennit Adams) [Ref:3715] | RISK MANAGEMENT DURING OUTAGE MANAGEMENT PROJECTS AT POWER PLANTS (Jacobus Visser*, Simphiwe Hlophe) [Ref:3703] | UTILIZING MACHINE LEARNING ALGORITHMS TO PREDICT FILLING LINE UTILIZATION FOR OPTIMAL MAINTENANCE SCHEDULING (PJ Vlok*, Lauren Smith) [Ref:3552] | A CONCEPTUAL FRAMEWORK FOR SUSTAINABLE EHEALTH IMPLEMENTATION IN RESOURCE-CONSTRAINED SETTINGS (Getnet Bogale Fanta*, Leon Pretorius) [Ref:3820] |
| 13:55 | SHAPING THE FUTURE OF RESIDENTIAL HOUSING PROJECTS: BREAKTHROUGH IN MINDSET AND TECHNOLOGY (Johann Stimie*) [Ref:3632] | UNINTENDED NEGATIVE EFFECTS OF CLIENT PROJECT COST CONTROLS: A SYSTEM DYNAMICS APPROACH (Alfred Chitongo*, Leon Pretorius) [Ref:3794] | DEVELOPMENT OF A DATA ANALYTICS-DRIVEN SYSTEM FOR INSTANT, TEMPORARY PERSONALISED DISCOUNT OFFERS (Zandaline Els*, James Bekker) [Ref:3577] | INCORPORATING PRODUCT CATEGORIZATION TO IMPROVE THE PERFORMANCE OF SA'S PUBLIC HEALTHCARE SUPPLY CHAIN: A RESEARCH AGENDA (Newton Mapowo*, Louzanne Bam, Imke de Kock, Joubert van Eeden) [Ref:3606] |
| 14:20 | IN DIS TREE - 4 WHAT? (Teresa Hattingh*, Dieter Hartmann) [Ref:3688] | VARIETY FOR COMPLEXITY: I.T. PROJECT METHODOLOGY CUSTOMIZATION (Steyn De Wet*) [Ref:3813] | DEVELOPMENT AND DEMONSTRATION OF A CUSTOMER SUPER-PROFILING TOOL TO ENABLE EFFICIENT TARGETING IN MARKETING CAMPAIGNS (Marisa Walters*, James Bekker) [Ref:3579] | TOWARDS A MORE EFFICIENT AND EFFECTIVE PIPELINE OF TUBERCULOSIS MEDICATION: THE VALUE OF IDENTIFYING TRENDS AND INFLUENCING FACTORS (Nicola Hanekom*, Louzanne Bam, Imke de Kock) [Ref:3635] |

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| 14:45 | <p>THE IMPLICATIONS OF INDUSTRY 4.0 FOR INDUSTRIALISATION IN AFRICA (Belinda Fynn-Hurwitz*, Bernadette Sunjka) [Ref:3855]</p> | <p>LEADERSHIP STYLES IN PROJECTS. CURRENT TRENDS AND FUTURE OPPORTUNITIES. (Suzaan Pretorius*, Herman Steyn, Taryn Bond-Barnard) [Ref:3858]</p> | <p>MANAGING CUSTOMER EXPERIENCE USING DATA ANALYTICS IN A PARTNERING VENTURE (Maryke Roos*, James Bekker) [Ref:3669]</p> | <p>A CONCEPT DEMONSTRATOR FOR SELF-ORGANISING DEMAND-DRIVEN INVENTORY MANAGEMENT IN PHARMACEUTICAL SUPPLY CHAINS (Marno Du Plessis*, Jan H. van Vuuren, Joubert van Eeden) [Ref:3633]</p> |
| 15:10 | <p>A CONCEPTUAL FRAMEWORK TO INCREASE COMPETITIVENESS: APPLIED TO A BILTONG FACTORY (Mieke Henning*, Devon Hagedorn-Hansen, Konrad von Leipzig) [Ref:3615]</p> | <p>THE MEGAPROJECT SPONSOR AS LEADER (Willem Louw*, Jan Wium, Herman Steyn, Wim Gevers) [Ref:3860]</p> | <p>DEVELOPMENT OF A DEMONSTRATOR OF BIG DATA ANALYTICS (Rhett Butler*, James Bekker) [Ref:3677]</p> | <p>TOWARDS A HEALTHCARE PERFORMANCE ASSESSMENT FRAMEWORK: A REVIEW (Bronwyn Joubert*, Wouter Bam) [Ref:3596]</p> |
| 15:30 | <p>CLOSING & PRIZE GIVING</p> | | | <p><i>Auditorium</i></p> |
| 16:00 | <p>TEA/COFFEE</p> | | | <p><i>Foyer</i></p> |

LIST OF POSTERS

DISASTER RELIEF CHAINS ANALYSIS IN THE SADC REGION

(Jean-Claude Baraka, Sarma Yadavalli, Mendon Dewa*) [Ref:3492]

DEVELOPMENT OF A DECISION SUPPORT SYSTEM FOR ASSESSING ALTERNATIVE AGRICULTURE LAND USES: A CASE STUDY OF THE STELLENBOSCH WINE REGION

(Jeanne-Mari de Villiers, Wouter Bam*, Joubert van Eeden) [Ref:3540]

INVESTIGATING THE SUSTAINABILITY AND FEASIBILITY OF DIFFERENT DISPOSABLE CUPS: A COFFEE SHOP PERSPECTIVE

(Carla Vermeulen, Wouter Bam*) [Ref:3631]

A SIMULATION ANNEALING APPROACH TO DETERMINE THE EFFECTIVE TRAIN STATION LAYOUT WITH DIFFERENT PEAK PERIODS (Tshegofatso Bele*, Ebouele Benga, Thomas Tengen) [Ref:3721]

OPTIMAL SCHEDULING OF PROJECT ALLOCATION BY MEANS OF A WEIGHT-PARAMETER CALCULATION ALGORITHM

(Philip Venter*) [Ref:3766]

CONTINUOUS PROCESS IMPROVEMENT ON HEAT EXCHANGER PLANT THROUGH VALUE STREAM MAPPING

(Kate Lusiba*, Mendon Dewa) [Ref:3775]

USE OF MULTIPLE ACTIVITY CHARTS FOR PROCESS IMPROVEMENT IN RUBBER WIRE CABLE MANUFACTURING

(Mendon Dewa*) [Ref:3786]

LEAN STARTUP AND ITS APPLICATION IN BUSINESS AND OPERATIONS STRATEGY IN SOUTH AFRICA

(Nadeem Kola, Bruno Emwanu*) [Ref:3833]

APPLICATION OF MANUFACTURING STRATEGY PRINCIPLES IN ADAPTING CRAFT BREWERS FOR SUSTAINABLE GROWTH IN THE SOUTH AFRICAN BEER INDUSTRY

(Gaolebalwe Ramorula, Bruno Emwanu*) [Ref:3835]

CHAINING THE BUILDING BLOCKS FOR BLOCKCHAIN IMPLEMENTATIONS IN SOUTH AFRICA'S PUBLIC SECTOR

(Quintin Van Heerden*, Michael van Heerden, Anton Steenkamp) [Ref:3886]

