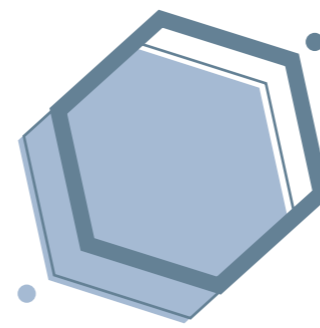


# AGENDA



# ECC2019

ENGINEERING COMMUNITY CONFERENCE

DIAMOND AUDITORIUM   PLENARY SESSION					
08:30 - 08:45	Welcome and more about the partners, exhibitors & presentations   <b>Troye Griffiths</b> - Director, ESTEQ				
08:45 - 09:45	The Second Wave of Disruption - and the Skill and Mindset Required to Pivot   <b>Dion Chang</b> - CEO & Founder, Flux Trends				
09:45 - 10:25	Digitalisation in South Africa, and how to contextualise it in an African context   Panel discussion <b>Edwin Severijn</b> - Sr. VP and Managing Director EMEA, Siemens Digital Industries Software <b>Ralf Leinen</b> - Sr. VP: Digital Industries Southern and Eastern Africa, Siemens Proprietary Limited <b>Cobus Oosthuizen</b> - CEO, ESTEQ				
10:25 - 10:30	ECC2019 Group Photo				
10:30 - 11:00	Tea & Coffee in the Foyer & Exhibition Area				
VENUE TRACK	DIAMOND THE DIGITAL ENTERPRISE	RUBY ENGINEERING SIMULATION	AMBER II PRODUCT DESIGN AND PLM	EMERALD MANUFACTURING SOLUTIONS	AMETHYST TEST & MEASUREMENT
11:00 - 11:30	Virtual Commissioning Tommie Chambers   Siemens AG	Using Simcenter to Develop a Multi-axle Steering Solution Jean Labuschagne   ADG Mobility	Baselining for Future Engineering Amelia Steyn   Babcock Ntuthuko Engineering	A Six-Layer Architecture for the Digital Twin of a Manufacturing Cell Dr. Karel Kruger   Stellenbosch University	Testrig for Automating Efficiency Testing of Inverter-Fed Induction Motors John Mushenya   University of Cape Town
11:30 - 12:00	Smart Manufacturing and the Digital Divide Daniel Spies   MESA Africa	Nuclear Reactor Heat Transfer Analysis Karl du Plessis   ESTEQ Engineering	Standardisation, Centralisation and Automation: How is this possible? Nian Fuls   ADG Mobility	IOT and Customer Intimacy Franz Schoeman   SYSPRO	Evaluation of Empirical Testing Technology for Structural Analysis of Railway Bridges Mohamed Jogiat   Transnet Engineering
12:00 - 12:30	A Six-Layer Architecture for the Digital Twin of a Manufacturing Cell Dr. Karel Kruger   Stellenbosch University	Remaining Life Prediction of a Nuclear Reactor Subject to Thermo-Fluid Loads Dr. Michiel Heyns   Investmech	Teamcenter Metadata and Power BI Jacoline van Jaarsveld   Simera Technology Group	Using Tecnomatix to Justify Moving From a Two Shift to Three Shift System Marco Corsaro   Rotek Industries SOC Limited	ESTEQ Test & Measurement 2.0 Elton Murison   ESTEQ
12:30 - 13:30	Finger Lunch in the Foyer & Exhibition Area				
13:30 - 14:00		Performance Prediction of Composite Wing Structure Using Siemens NX Hubert van der Merwe   eNtsa/NMMU	Digital Prototyping, Additive Manufacturing and Patient Specific Implants Marinus Potgieter   Central University of Technology	How the Siemens Jack Human Modelling Software Can Be Applied Within the Field of Ergonomics Sarah Bannatyne   Ergonomics Engineering	High-speed Video Diagnostics for Fragmenting Warheads Adriaan Steenkamp   Flamengo
14:00 - 14:30		Simulation of a De-Icing Test for a Truck Cab Maurice Grapendaal   Trix Engineering Solutions	Pharmacy 4.0 Fanie Hendriksz   Right ePharmacy	Planning and Scheduling with Preactor at Twinsaver Gerrit Theron   Twinsaver Chris Mollison   Scheduling Solutions	Measurement and Analysis of Steam Pipe Dynamic Displacement Dr. Mark Newby   ESKOM
14:30 - 15:00		Weight Reduction of a Custom Design Shipping Container Using Optimization Eddie Williams   Denel Dynamics	Walking Wheelchairs and Low Maintenance Milling Machines? Introducing a Novel Parallel Kinematic Mechanism Douw Marx   University of Pretoria	TryoutAssistant: How Simulation Can Streamline Your Try-Out Process Marc Lambriks   AutoForm	One Test is Worth Ten Thousand Expert Opinions Prof. Ad Sparrus   Ad Sparrus System Engineering and Management
15:00 - 15:30	Tea & Coffee in the Foyer & Exhibition Area				
15:30 - 16:00		Thermal Analysis of an Electronics Unit with Detail PCB Modelling Carel Wilken   SAAB Grintek Defence	Industrializing Additive Manufacturing: A South African Case Study Etienne Marais   Siemens Power Generation Services	TFG's Digital Transformation in the Apparel Manufacturing Industry Clynton Thoresson   The Foschini Group	Mechanical Characterisation of Biomaterials Using Digital Image Correlation Dr. Abrie Oberholster   University of Pretoria
16:00 - 16:30		SPEED – Utilising Scripting to Create Efficiency Charts for Automotive Applications David Dorrell   University of Kwazulu Natal	Power Optimised Deep Learning on FPGA's Francois Labuschagne   ASIC Design Services	Modular Open Pit Mining Model Gary Lane   Vuuma Collaborations	Blast Load Partitioning David Reineke   CSIR DPSS
16:30 - 17:00	Prize-giving & Lucky Draws in the Exhibition Area				
17:00 - 20:00	Snacks & Drinks on the Deck				