

AFRICAN TRACK AND TECHNOLOGY SYMPOSIUM

INFRASTRUCTURE MAINTENANCE MANAGEMENT 30 SEPT TO 4 OCT 2019

	Time		Duration	Lecture	Presenter
	From	To			
Monday	07h00	08h00	60 min	Registration	
	08h10	08h30	30 min	Opening	Mr Jonathan Duvel
	08h40	09h50	70 min	Lifecycle Management	Dr Leon Zaayman
	10h00	10h20	20 min	Tea	
	10h30	11h00	30 min	The Effect of Maintenance on Network Capacity	Dr Leon Zaayman
	11h10	11h40	30 min	Safety, Risk and Environment in Feasibility & Design	Dr Willem Sprong
	11h50	12h20	30 min	Integrated Railway System Design and Performance	Dr Chris Dutton
	12h30	13h20	50 min	Lunch	
	13h30	14h00	30 min	Rail Infrastructure - Efficiencies and Financial Viability	Dr Friedel Mulke
	14h10	14h50	40 min	Geometric Design of Railway Track in Practice	Mr Nico Pienaar
	15h00	15h20	20 min	Tea	
	15h30	16h00	30 min	Substructure Design (Ballast)	Dr Leon Zaayman
	16h10	16h40	30 min	Drainage Design	Dr Friedel Mulke
Tuesday	08h10	09h10	60 min	Substructure Design (Formation)	Prof Hannes Grabe
	09h20	09h50	30 min	Embankment and Cutting Design and stability	Mr David Mpye
	10h00	10h20	20 min	Tea	
	10h30	11h00	30 min	Sleeper Selection, Handling and Transportation	Mr Kobus Burger
	11h10	12h00	50 min	Rails - Design, Handling & Transportation	Mr Wolfgang Pesec
	11h50	12h20	20 min	Rail Joints	Mr Johan de Koker
	12h30	13h20	50 min	Lunch	
	13h30	14h30	60 min	Rail/Wheel Interaction	Mr Georg Hettasch
	15h00	15h20	20 min	Tea	
	15h30	16h00	30 min	Rail Wear & Defects	Mr Kanak Mistry
	16h10	16h50	40 min	Turnout Design	Mr Wolfgang Pesec
Wednesday	08h10	08h30	20 min	Track Deterioration and Failure	Dr Leon Zaayman
	08h40	09h10	30 min	Infrastructure Geometry Measuring and Recording	Mr Jonathan Duvel
	09h20	09h50	30 min	Ultrasonic Rail Flaw Detection	Mr Gerald Du Randt
	10h00	10h20	20 min	Tea	
	10h30	11h00	30 min	Ground Penetrating Radar – Principles and Applications	Prof Hannes Grabe
	11h10	11h40	30 min	Machine Ownership and Contracting Options	Dr Leon Zaayman
	11h50	12h20	30 min	Track Infra Requirements for the Digital Railway	Prof Hannes Grabe
	12h30	13h20	50 min	Lunch	
	13h30	14h10	40 min	Rail Welding	Mr Kanak Mistry
	14h20	14h40	20 min	Rail Profiling / Grinding	Mr Georg Hettasch
14h50	15h10	20 min	Rail Lubrication in Curves	Mr Johan de Koker	
15h20			Cocktail Function		
Thursday	08h10	09h10	60 min	Ballast Cleaning and Spoil & Material Conveying	Dr Leon Zaayman
	09h20	09h50	30 min	Ballast Man through Distribution and Regulating	Dr Leon Zaayman
	10h00	10h20	20 min	Tea	
	10h30	11h10	40 min	Track Lifting, Levelling, Aligning and Tamping	Dr Leon Zaayman
	11h20	11h50	30 min	Dynamic Track Stabilising	Dr Leon Zaayman
	12h00	12h20	20 min	Drain Cleaning, Weed Control and Brush Cutting	Dr Leon Zaayman
	12h30	13h20	50 min	Lunch	
	13h30	14h10	40 min	Turnout Handling, Transportation & Installation	Dr Leon Zaayman
	14h20	14h50	30 min	Track Renewal	Mr Jonathan Duvel
	15h00	15h20	20 min	Tea	
	15h30	16h30	60 min	Formation Rehabilitation	Mr Jonathan Duvel
Friday	08h10	08h40	30 min	Considerations for Electrification	Dr Willem Sprong
	08h50	09h50	60 min	OHTE Design	Mr Felix Slier
	10h00	10h20	20 min	Tea	
	10h30	11h20	50 min	Substation Design	Dr Willem Sprong
	11h30	12h20	50 min	Risk-Based Approach to Railway Safety Management	Dr Willem Sprong
	12h30	13h20	50 min	Lunch	
	13h30	14h10	40min	Electrical Safety	Mr Dawie Kruger
14h20	15h00	40min	Incident Investigation and Reporting	Dr Willem Sprong	