

Innovation & Industrialisation

TIPS FORUM 2019

30 & 31 May 2019

DBSA Vulindlela Conference Centre
Midrand | South Africa



Thursday, 30 May 2019

08h00– 09h00		Registration and Tea	
09h00 - 10h00	Auditorium	OPENING SESSION	
		Opening & Context of the conference	Saul Levin (Programme Director, TIPS)
		Welcome	Prof Fiona Tregenna (SARChI, UJ)
			EU Ambassador to South Africa Marcus Cornaro
		Thandi Phele (the DTI)	
10h00 - 12h30	Auditorium	SESSION 1: TRANSFORMATIVE TECHNOLOGIES AND THE CIRCULAR ECONOMY	
		Trash to treasure, the recycle and reuse industry	Gaylor Montmasson-Clair (TIPS)
			Chris Braybrooke (Veolia Water Technologies) Bruno Migliorini (Sustainable Heating) Lisa Parkes (Fetola) Egmont Ottermann (Resilient Energy and Industrial Ecology)
	Moderator	Dr Brett Cohen (The Green House)	
	Auditorium	The 5G industry – a game changer	Shiletsi Makhofane (Ericsson) Marc Van Pelt (Pepperl+Fuchs) Andrew Barendse (Vodacom SA) Lawrence Boya, (COJ)
Moderator			Dr Sergi Figuerola (5GBarcelona)
11h30 – 11h45	Tea Break		

	Room 2	PARALLEL SESSION 2: INDUSTRIAL POLICY AND INNOVATION	
		Chinese import competition and manufacturing performances in South Africa: dynamics, impacts, drivers and policy implications, Sofia Torreggiani (SOAS)	Sofia Torreggiani
		Lock-in and consequences: 100 years of public hydraulic power infrastructure systems in the United Kingdom, Garth Williams (TIA)	Garth Williams
		Measuring inclusive innovation and industrialisation in Africa, Nepeti Nicanor (UJ)	Nepeti Nicanor
		Framing the concepts that underpin discontinuous technological change, technological capability and absorptive capacity, Saul Levin (TIPS)	Saul Levin
		The South African legislative landscape in the fourth industrial revolution, Dr Anu Idicula (IP Inspired)	Dr Anu Idicula
			Moderator
12h30 – 13h30		LUNCH	
	Room 1	SESSION 3: INNOVATION AND SMALL BUSINESS	
		Exploring the factors that limit the development, adoption and diffusion of innovations: A case study of informal metal manufacturers in Harare, Zimbabwe, Tarisai Kudakwashe Manyati and Morgen Mutsau (UNISA)	Tarisai Kudakwashe Manyati
		The nexus of knowledge sharing and innovations in the informal settings: A case study approach (Nigeria), Dr Oluseye O Jegede (UJ)	Dr Oluseye O Jegede
		Innovations in the micro - small to medium enterprises sector towards Economic Development in Zimbabwe, Mathew Svodziwa (Bulawayo Polytechnic)	Mathew Svodziwa
			Moderator
13h30 - 15h00	Room 2	PARALLEL SESSION 4: NSI AND THE RESOURCING OF INNOVATION AND R&D	
		Evaluating the concentration of the research and experimental development (R&D) in the business sector in South Africa, Theodore Sass (HSRC)	Theodore Sass
		Mapping the meso space that enables technological change, productivity improvement and innovation in the manufacturing sector, Shawn Cunningham (Mesopartner)	Shawn Cunningham
		The importance of aligning skills development to support innovation, Ursula Wellmann (GreenCape)	Ursula Wellmann
			Moderator
15h00 – 15h30		Tea and Coffee Break	
	Room 1	SESSION 5: EMERGING FRAMES OF STI POLICY	
		Why Africa needs an information economy policy?, Rajesh Many (UJ)	Rajesh Many
		The role of a systems approach in innovation and industrialisation, Bernd Oellermann (the dti)	Bernd Oellermann
		Examining the relevance of transformative innovation policy for green R&D investments, Georgina Ryan (Student at CREST, Stellenbosch)	Georgina Ryan
			Moderator
15h30 - 17h00			

PARALLEL SESSION 6: INNOVATION AND SUSTAINABLE GROWTH			
	Room 2	Emerging climate-smart business opportunities: Investing in soil, Andiswa Nyongwana (WWF)	Andiswa Nyongwana
		Climate Change Adaptation through Collaboration and Innovation for Resilient Industrial and Manufacturing Economies, Adila Cassim (GreenCape)	Adila Cassim
		Small business and innovation: A sustainable development fallacy in South Africa, Tendai Makwara (Boston City Campus and Business College)	Tendai Makwara
		Moderator	Dr Shakespear Mudombi (TIPS)
17h00	End of day 1		

Friday, 31 May 2019

08h00 – 08h30		Arrival tea and coffee	
08h30 – 10h00	Room 1	SESSION 7: TRANSFORMATIVE INNOVATION AND MISSION-ORIENTED INNOVATION	
		The South African bio refinery innovation system: Role of leverage professionals as catalysts for change, Nicola Jenkin (Wits)	Nicola Jenkin
		Social Innovation Markets and Networks in Nnewi, Anambra State Nigeria, Dickson Ogbonnaya Igwe (National Open University of Nigeria)	Dickson Ogbonnaya Igwe
		Performance-based public procurement: A strategic intervention to unlock innovative solutions to developmental and climate challenges, Louise Scholtz (WWF) and Liesbeth Casier (IISD)	Louise Scholtz
		Moderator	Nontombi Marule (the dti)
08h30 – 10h00	Room 2	PARALLEL SESSION 8: INNOVATION, UPGRADING AND INDUSTRIALISATION	
		Does insertion into global value chains promote structural transformation?, Roland Baimbill-Johnson (SOAS)	Roland Baimbill-Johnson
		The Role of Technology in Industrialisation: The Case of Developing Economies, Thembeke Khumalo (UJ)	Thembeke Khumalo
		Industrial policy and innovation policy – myths and realities, Prof Michael Kahn (Stellenbosch University)	Prof Michael Kahn
		Moderator	Dr Rajesh Many (UJ)
10h00 -10h30		Tea and Coffee Break	
10h30 – 12h00	Room 1	SESSION 9: INNOVATION AND SUSTAINABLE GROWTH AND GREEN INDUSTRIES, INCLUDING THE TRANSITION TO A LOW-CARBON ECONOMY	
		Innovation and sustainable growth and green industries including the transition to a low-carbon economy, Dr Christopher D Mlosy (Tansa Power Ltd) and Mr Neville Ndumo (cogt Ltd)	Dr Christopher D Mlosy
		Technological change and sustainable Mobility: An overview of global trends and South African developments, Bhavna Deonarain (TIPS)	Bhavna Deonarain
		Policy mixes as a means of overcoming challenges to innovation in developing countries; insights from a mixed methods study of South Africa’s manufacturing sector, David Walwyn (University of Pretoria)	David Walwyn
		Rules-based approaches to industrial innovation: Case study on South Africa’s liquefied natural gas (LNG) development, Marie Blanche Ting (University of Sussex)	Marie Blanche Ting
		Moderator	Garth Williams (TIA)
	Room 2	PARALLEL SESSION 10: INNOVATION, VALUE CHAINS, SECTOR CASE STUDIES	
Technological developments in the fresh fruit sector for increased market access and participation in global fruit value chains, Shingie Chisoro Dube (UJ)		Shingie Chisoro Dube	
E-commerce in South Africa: Opportunities and threats, Sha’ista Goga (Acacia Economics)		Sha’ista Goga	
The role of technological upgrade and innovation on the South African fresh produce market, Lindiwe Hayo (the DTI)		Lindiwe Hayo	
		Moderator	Rendani Mamphiswana (UJ)

12h00	Auditorium	SESSION 11: INCLUSIVE INNOVATION TO ADDRESS POVERTY, UNEMPLOYMENT AND INEQUALITY	
-		Inclusive innovation to address poverty, unemployment and inequality in Southern Africa, Dr Christopher D Mlosy (Tansa Power Ltd)	Dr Christopher D Mlosy
13h00		The role of technology commercialisation in the operationalisation of Innovation and Industrial Policy, Nontombi Pearl Marule (the dti)	Nontombi Pearl Marule
		Enhancing rural youth livelihood through digital innovations, Elvin Shava (UKZN) and Betty C. Mubangizi (UKZN)	Elvin Shava
		Moderator	Nkuli Shinga (the dti)
13h00 – 14h00		LUNCH	
14h00	Auditorium	PLENARY SESSION Panel discussion on Key issues for Innovation and Industrialisation	<u>MODERATOR:</u> Garth Williams (TIA)
-			<u>PANEL:</u> <ul style="list-style-type: none"> • Prof Michael Kahn (Stellenbosch University) • Ilse Karg (the dti) • Dr Michael Gastrow (HSRC)
15h00			
CLOSE			