



SATN

SOUTH AFRICAN TECHNOLOGY NETWORK

NINTH ANNUAL INTERNATIONAL SATN CONFERENCE

12 – 14 OCTOBER 2016

**CONFERENCE CENTRE, ATLANTIC SUITE, LAGOON BEACH HOTEL,
MILNERTON, CAPE TOWN, SOUTH AFRICA**

CO-HOST: CAPE PENINSULA UNIVERSITY OF TECHNOLOGY

**PARTNERSHIPS FOR INNOVATION AND DEVELOPMENT:
MAKING IT HAPPEN. MAKING IT MATTER**

SPONSORS



WEDNESDAY MORNING, 12 OCTOBER 2016

08:00 - 09:15	REGISTRATION IN HOTEL FOYER
09:30 - 09:50	CONFERENCE OPENING <i>Dr Anshu Padayachee</i> CEO, South African Technology Network (SATN)
09:50 - 10:00	WELCOME AND CONFERENCE IN CONTEXT <i>Prof Lourens van Staden</i> Chairperson of the South African Technology Network (SATN)
Chair:	<u>Dr Prins Nevhatalu, Vice-Chancellor: Cape Peninsula University of Technology</u>
10:00 - 10:30	CONFERENCE KEYNOTE SPEAKER <i>Ms Barbara Thomson</i> Deputy Minister of Environmental Affairs or Senior Representative of the DEA
10:30 - 11:00	Coffee/Tea (Atrium) and Press Interviews

WEDNESDAY MORNING, 12 OCTOBER 2016

THEME 1: PORTRAITS OF SUCCESS – PARTNERSHIP MODELS	
Chair:	<u>Prof Thandwa Mthembu, Vice-Chancellor: Durban University of Technology</u>
11:00 – 11:20	SESSION THEME ADDRESS South African Universities: At the Heart of an Innovating Society? <i>Prof Ahmed Bawa, CEO, Universities South Africa</i>
11:20 - 11:40	Portraits of Success: French South African Technology Institute (FSATI) <i>Authors: <u>Dr Prins Nevhutalu, Dr Ben van Wyk and Yves Blanchard</u></i> <i>Cape Peninsula University of Technology, Tshwane University of Technology and FSATI/ESIEE Paris</i>
11:40 - 12:05	A concerted effort to build capacity for internationalization of higher education in South Africa through the Internationalisation and Modernisation Program for Academics, Leaders and Administrators (IMPALA) Project. <i>Authors: <u>Ms Merle McOmbring-Hodges, Ms Annelien Dewinter and Mr Varkey George</u></i> <i>Cape Peninsula University of Technology (CPUT)</i>
12:05 – 12:15	Q & A
12:15 – 13:00	Lunch

WEDNESDAY AFTERNOON, 12 OCTOBER 2016

THEME 1: PORTRAITS OF SUCCESS – PARTNERSHIP MODELS (CONT.)	
Chair:	<u>Prof Urmilla Bob, Dean: Research, University of KwaZulu Natal</u>
13:00 – 15:30	PANEL DISCUSSION Evaluating progress made by Countries: <ul style="list-style-type: none">- Mr Chief Mabizela, Chief Director, University Policy and Development, Department of Higher Education and Training (DHET), South Africa- Dr Tibor Döry, Associate Professor and Chairperson of the Knowledge Management Council in the Department of Leadership and Organisational Communication and Managing Director of Mobolis Közhasznú Non-profit Kft, at the Széchenyi István University (Sze), Győr, Hungary- Dr Marius Kudumo, Director of International Relations, Namibia University of Science and Technology (NUST)- Prof Ryk Lues, Director: Centre for Applied Food Safety and Biotechnology (CAFSaB) and Coordinator: Regional Innovation Forum for the Free State (RIFFS), Central University of Technology, Free State (CUT)- Prof Gauhar Raza, Chief Scientist, CSIR, India- Dr Kaluke Mawila, Executive Director: Institutional Engagement and Partnership Development, National Research Foundation (NRF) Q & A
15:30 – 16:00	Coffee/Tea (Atrium)

WEDNESDAY AFTERNOON, 12 OCTOBER 2016

THEME 1: PORTRAITS OF SUCCESS – PARTNERSHIP MODELS (CONT.)

Chair: Dr Anshu Padayachee, CEO, South African Technology Network (SATN)

16:00 – 17:45

BUSINESS / ACADEMIA ROUNDTABLE DISCUSSION

Participants:

- Prof Lourens van Staden, Chairperson, South African Technology Network (SATN) and Vice-Chancellor of Tshwane University of Technology
- Professor Suki K.K. Mwendwa, Deputy Vice Chancellor, Technology Innovation and Partnerships, Technical University of Kenya, Nairobi and member of the Commonwealth Association of Polytechnics in Africa (CAPA)
- Prof Waswa Balunywa, Principal, Makerere University Business School Uganda

Business Partners:

- Ms Donnee Kruger, Manager, Trade and Investment, KwaZulu Nata
- Mrs Lindiwe Rakharebe, CEO, Durban International Convention Centre (ICC)
- Ms Farzanah Mall, Director of KPMG SA / President of The Business Association of South Africa
- Mr Weza Matomane, Executive Director at WTG Media House (Pty) Ltd

17:45

Conference concludes for the day

WEDNESDAY EVENING, 12 OCTOBER 2016

18:30 WELCOME EVENT: CULTURAL CUISINES AND COUTURE AFRICA

(CULTURAL ATTIRE IS RECOMMENDED)

MASTER OF CEREMONIES:

Prof Johannes Cronje
Cape Peninsula University of Technology

VENUE:

Beachfront Pool Deck/Brasserie Restaurant, Lagoon Beach Hotel, Milnerton, Cape Town

WELCOME:

Dr Prins Nevhutalu
Vice-Chancellor and Principal of Cape Peninsula University of Technology

ENTERTAINMENT:

African Entertainment - Ganarama Productions

THURSDAY MORNING, 13 OCTOBER 2016

THEME 2: ENTREPRENEURIAL INNOVATION DRIVING GLOBAL, REGIONAL AND LOCAL CHANGE: ADVANCING THE IMPLEMENTATION DEBATE

Chair: Dr Anshu Padayachee, CEO, South African Technology Network (SATN)

08:30 – 09:00 **SESSION THEME ADDRESS**

Globally connected, locally engaged – higher education institutions driving innovation, entrepreneurship and development in their cities and regions

Ms Jaana PUUKKA, Innovation Engage (FR), Expert of the European Commission and World Bank

09:00 – 09:20 **Towards an innovation and entrepreneurship ecosystem at a University of Technology: Implementation of a strategy to enhance socio-economic development**

*Authors: Prof AB Ngowi, Prof HJ De Jager, Prof TZ Mthembu, and Prof C Chipunza
Central University of Technology, Free State*

09:20 – 09:40 **Portraits of Success: French South African Technology Institute (FSATI)**

*Authors: Dr Prins Nevhutalu, Dr Ben van Wyk and Yves Blanchard
Cape Peninsula University of Technology, Tshwane University of Technology and FSATI/ESIEE Paris*

09:40 – 09:50 Q & A

THURSDAY MORNING, 13 OCTOBER 2016

TECHNOLOGY INNOVATION AGENCY (TIA) PANEL DISCUSSION

Chair: Ms Senisha Moonsamy, Head of Innovation Skills Development, Technology Innovation Agency (TIA)

09:50 – 10:30 **Going global: Driving change at systemic, regional and local levels through successful partnerships for innovation**

Panellists: *UK Newton Fund/British Counsel and Investee Beneficiary
Innovation Board, Mr David Altman and Investee Beneficiary
GCIP/UNIDO and winner from 2015 GCIP – SA Awards
Mr JJ Baril, Haiti Ambassador to South Africa*

Signing of Memorandum of Understanding (MOU) between TIA and SATN

10:30 – 10:45 Q & A

10:45 - 11:15 Tea/Coffee (Atrium)

THURSDAY MORNING, 13 OCTOBER 2016

THEME 2: ENTREPRENEURIAL INNOVATION DRIVING GLOBAL, REGIONAL AND LOCAL CHANGE: ADVANCING THE IMPLEMENTATION DEBATE (CONT.)

Chair: Dr Chris Nhlapo, Deputy Vice Chancellor, Cape Peninsula University of Technology

11:15 – 13:00 ROUNDTABLE DISCUSSION (HOW TO ADVANCE THE IMPLEMENTATION DEBATE)

- Ms Kirstin Wiedow, Co-Founder and Director, FABlab Design and Technology Centre, Namibia University of Science and Technology (NUST);
- Prof Dr Neal King, Chairman of the Board of Directors and President Emeritus, International Association of University Presidents (IAUP)
- Mr JJ Baril, Haiti Ambassador to South Africa
- Mr Errol Gradwell, CEO, Energy and Water SETA
- Prof Gauhar Raza, Chief Scientist, CSIR, India

Q & A

13:00 - 13:45 Lunch

THURSDAY AFTERNOON, 13 OCTOBER 2016

THEME 3: INNOVATION: POWERING THE GLOBAL ECONOMY?

Chair: Mr Theo Bhengu, Executive Director: Strategic Operations (Acting), Tshwane University of Technology

14:00 – 14:30 **SESSION THEME ADDRESS**

Innovation in products and packaging – several case studies of Coca-Cola over the past year in South Africa
Dr Casper Durandt, Franchise Technical Director, Coca-Cola, South Africa

14:30 – 14:50

Challenges of innovation and entrepreneurship from a European perspective. The case of Hungary

Author: Dr Tibor Döry, Associate Professor and Chairperson of the Knowledge Management Council in the Department of Leadership and Organisational Communication, and Managing Director of Mobolis Közhasznú Non-profit Kft, at the Széchenyi István University Sze), Győr, Hungary

14:50 – 15:10

Criticality, reflectivity and praxis of sustainable development in a transformative higher education system

Author: Ms Abigail Edem, Central University of Technology, Free State (CUT)

15:10 – 15:30

Q & A

15:30 – 16:00

Tea/Coffee (Atrium)

THURSDAY AFTERNOON, 13 OCTOBER 2016

THEME 3: INNOVATION: POWERING THE GLOBAL ECONOMY? (CONT.)

Chair: Prof Alfred Ngowi, acting DVC Research, Innovation and Engagement, Central University of Technology, Free State

16:00 – 17:00 **ROUNDTABLE DISCUSSION**

- Dr Henry Roman, Director, Environmental Services and Technologies, Department of Science and Technology (DST)
- Mr Raman Sharma, Director, Exigo Recycling Pvt. Ltd, India
- Ms Sharon Dell, University World News (UWN)
- Christie Viljoen, Manager / Senior Economist, KPMG
- Ms Sarusha Pillay, Head of Technology Innovation Programmes, Technology Innovation Agency (TIA)

Q & A

17:00 **Conference concludes for the day**

THURSDAY EVENING, 13 OCTOBER 2016

18:00 – 19:30 COCKTAILS, CANAPÉS AND NETWORKING

MESSAGE FROM IAUP: Prof Alvaro Romo, Secretary General: International Association of University Presidents (IAUP)

VENUE: Atrium, Lagoon Beach Hotel, Milnerton, Cape Town

19:30 GALA DINNER

VENUE: Atlantic Suite, Lagoon Beach Hotel, Milnerton, Cape Town

ENTERTAINMENT: Musical Entertainment – *A Taste of Cape Town*

FRIDAY MORNING, 14 OCTOBER 2016

THEME 4: PEOPLE, POWER AND INNOVATION FOR SUSTAINABLE DEVELOPMENT

Chair: Prof Marcus Ramogale, Acting Vice-Chancellor, Mangosuthu University of Technology

08:30 – 09:00 **SESSION THEME ADDRESS**

Innovation and sustainable development in higher education: A transatlantic and transpacific perspective
Prof Fernando Leon Garcia, President of CETYS University, Baja California, Mexico

09:00 – 09:20

Essential skills of graduate engineers in Namibia
*Authors: Mr Evert (Evan) Jan Strydom and Dr S John,
Namibia University of Science and Technology (NUST)*

09:20 – 09:40

Entrepreneurship in programme curriculum: Case study of selected higher education institutions in South Africa
*Authors: Olutoye Oluwatimilehin Ayodeji, Titilola Olusola Okusolubo and Teboho Pitso
Vaal University of Technology (VUT)*

09:40 – 10:00

Q & A

Chair:

Dr Anshu Padayachee, CEO, South African Technology Network (SATN)

10:00

PARTNERSHIP PROJECTS

10:00 – 10:20

The South African Additive Manufacturing Strategy: The impact on people and innovation
Presenters: Prof Willie du Preez & Mr Gerrie Booysen, Central University of Technology, Free State (CUT)

10:20 – 10:30

Q & A

10:30 - 11:00

Tea/Coffee (Atrium)

FRIDAY MORNING, 14 OCTOBER 2016

THEME 4: PEOPLE, POWER AND INNOVATION FOR SUSTAINABLE DEVELOPMENT (CONT.)

Chair: Dr Anshu Padayachee, CEO, South African Technology Network (SATN)

11:00 PARTNERSHIP PROJECTS (CONT.)

11:00 – 11:20 Sustainable development through engineering solutions: An example of modular solar powered aquaponics
Presenter: Fareed Ismail, Cape Peninsula University of Technology (CPUT)

11:20 – 11:40 CTE – the only multi human tissue bank in SA - providing in the ever growing need of tissue for transplantation
Presenter: Ms Cleo Ndhlovu, Manager, Centre for Tissue Engineering, Tshwane University of Technology (TUT)

11:40 – 12:00 E-waste project (VUT and UKZN)
Presenter: Mr Heinrich van der Merwe, VUT Southern Gauteng Science & Technology Park, Vaal University of Technology (VUT)

12:00 – 12:20 NSEUV – Namibian solar electric utility vehicle – A solar taxi by the Innovation Design Lab
Presenter: Prof Pio Baronne Lumaga, Namibia University of Science and Technology (NUST)

12:20 – 12:40 Sea wave energy harvester
Presenter: Mr Boniso Ngwenya, Mangosuthu University of Technology (MUT)

12:40 – 13:00 Traditional crop products development and commercialisation
Presenters: Dr Eric Amonsou and his students: Samson Oyeyinka; Sithembile Shongwe; Faith Seke, Durban University of Technology (DUT)

13:00 – 13:15 Q&A

FRIDAY AFTERNOON, 14 OCTOBER 2016

CONFERENCE CLOSURE	
13:15– 13:30	Closing Message Prof Lourens van Staden, Chairperson of the SATN
13:30– 14:00	Conference Closure
14:00	Lunch

SATN MEMBER INSTITUTIONS



