

# **SATN INTERNATIONAL CONFERENCE**

**11 – 13 SEPTEMBER 2018**

**CONFERENCE CENTRE, ELANGENI HOTEL, DURBAN, KWAZULU NATAL,  
SOUTH AFRICA**

**CO - HOST: DURBAN UNIVERSITY OF TECHNOLOGY**

**4TH INDUSTRIAL REVOLUTION: ROLE OF UNIVERSITIES**



# **SATN**

**SOUTH AFRICAN TECHNOLOGY NETWORK**  
TECHNOLOGY FOCUSED UNIVERSITIES

# SATN MEMBER INSTITUTIONS AND ORGANISATIONS



# SPONSORS





## TUESDAY MORNING, 11 SEPTEMBER 2018 (DAY 1)

08:00 - 09:15 REGISTRATION

**PROGRAMME DIRECTOR: MR ALAN KHAN**

09:30 - 10:00

**WELCOME AND CONFERENCE IN CONTEXT**

***Dr Anshu Padayachee***

CEO, South African Technology Network (SATN)

***Prof Lourens van Staden***

Chairperson of the South African Technology Network (SATN)

Chair:

10:00 - 10:45

**CONFERENCE OPENING ADDRESS**

***Honourable Minister Naledi Pandor***

Minister of Higher Education and Training (DHET)

***Title: How Universities should prepare for the 4<sup>th</sup> Industrial Revolution (title to be confirmed)***

Q & A

10:45 – 11:15

Coffee/Tea and Press Interviews

## TUESDAY MORNING, 11 SEPTEMBER 2018 (DAY 1)

Chair:

11:15 – 12:15

### CONFERENCE KEYNOTE SPEAKER

***Dr Adriana Marais***

Theoretical physicist, Head of Innovation at SAP Africa and aspiring extra-terrestrial

***Title:*** *The Allure of the Unknown “The reason I want to go to Mars”*

Q & A

## TUESDAY AFTERNOON, 11 SEPTEMBER 2018 (DAY 1)

### THEME 1: THE 4<sup>TH</sup> INDUSTRIAL REVOLUTION: INTERNATIONAL EXPERIENCE AND TRENDS

Chair:

12:15 – 13:00

#### ROUND TABLE DISCUSSION: HOW DO WE PREPARE FOR THE 4IR

**Representatives from:**

Prof Seeram Ramakrishna, National University of Singapore

Netherlands (Delft University)

Ireland (THEA)

Department of Science and Technology, South Africa, Dr Phil Mjwara (t.b.c)

Representative of Business Unity South Africa (BUSA)

Q & A

13:00 – 14:00

Lunch

## TUESDAY AFTERNOON, 11 SEPTEMBER 2018 (DAY 1)

### THEME 1: THE 4<sup>TH</sup> INDUSTRIAL REVOLUTION: INTERNATIONAL EXPERIENCE AND TRENDS (CONT.)

Chair:

14:00 – 15:00

#### ROUND TABLE DISCUSSION:

**Representatives from:**

India

UK (University of Northampton)

Prof Suki Mwendwa, Technical University of Kenya (TUK)

Dr Linda Godfrey, Council for Scientific and Industrial Research (CSIR) (t.b.c)

Prof Henk de Jager, Vice-Chancellor, Central University of Technology (CUT), Free State

Business Representative – Nedlac / Chamber of Commerce

Q & A

## TUESDAY AFTERNOON, 11 SEPTEMBER 2018 (DAY 1)

THEME 2: THE 4TH INDUSTRIAL REVOLUTION: IMPLICATIONS FOR HIGHER EDUCATION	
Chair:	
15:00 – 15:30	<b>SESSION THEME ADDRESS:</b>  <i>Prof Thomas Thurner</i> Research Chair in Innovation and Society Cape Peninsula University of Technology (CPUT) <b>Title:</b>  Q & A
15:30 – 16:00	Coffee/Tea
16:00 – 17:00	<b>PAPERS (PARALLEL SESSIONS)</b>  Q & A
17:00	Conference conclude for the day



## TUESDAY EVENING, 11 SEPTEMBER 2018 (DAY 1)

**18:30**

### **WELCOME EVENT**

**VENUE:** Southern Sun, Elangeni Hotel, Durban

**WELCOME:** Prof Thandwa Mthembu, Vice-Chancellor: Durban University of Technology (DUT)

**ENTERTAINMENT:** t.b.c



## WEDNESDAY MORNING, 12 SEPTEMBER 2018 (DAY 2)

THEME 3: UNIVERSITY INDUSTRY PARTNERSHIPS IN THE CHANGING WORLD OF WORK	
Chair:	
09:00 – 09:30	<b>SESSION THEME ADDRESS:</b>  <b><i>Prof Seeram Ramakrishna</i></b> Director of the Centre for Nanofibers & Nanotechnology at the National University of Singapore <b>Title:</b>
09:30 – 11:00	<b>RESPONDENTS:</b>  Student perspective - Representative from Pre-Conference Workshop for Students Policy perspective – Ms Mamokgethi Molopyane (Creative Voodoo Consulting) (t.b.c) Industry perspective – Mr Monde Mawasha, Programme Director: Information and Communications Technology, Coega Development Corporation (t.b.c) Health perspective – Shaping the Future of Health and Healthcare Worker perspective - COSATU
11:00 – 11:30	Tea / Coffee

## WEDNESDAY MORNING, 12 SEPTEMBER 2018 (DAY 2)

### **THEME 3: UNIVERSITY INDUSTRY PARTNERSHIPS IN THE CHANGING WORLD OF WORK (CONT.)**

#### **11:30 - 13:00 PANEL DISCUSSION: SKILLS AND INNOVATION AND ENTERPRISE DEVELOPMENT**

Mr Barlow Manilal, CEO, Technology Innovation Agency (to lead discussion)  
Representatives from Sector Education Training Authorities (SETAs)  
Mr Sandeep Vakharia, Managing Director, Aashumi Chemicals, India  
Representative from South African Society for Co-operative Education (SASCE)  
Representative from Pre-Conference Workshop for Students  
Representative from Industry – HP (t.b.c)

Q & A

**13:00 – 14:00 Lunch**

## WEDNESDAY AFTERNOON, 12 SEPTEMBER 2018 (DAY 2)

<b>THEME 3: UNIVERSITY INDUSTRY PARTNERSHIPS IN THE CHANGING WORLD OF WORK (CONT.)</b>	
<b>14:00 – 14:30</b>	<b>SESSION THEME ADDRESS: INDUSTRY REFLECTIONS</b>  <i>Mr Trevor Raman</i> President of the Saab Group <i>Title:</i>
<b>14:30 – 16:00</b>	<b>PAPERS (PARALLEL SESSIONS)</b>  Q & A
<b>16:00</b>	Conference conclude for the day

## WEDNESDAY EVENING, 12 SEPTEMBER 2018 (DAY 2)

**19:00**

### **GALA DINNER**

**DRESS CODE:** Semi-Formal Gala Attire

**(PRESENTATION OF FASHION AWARDS ON THE TRENDS OF THE 4<sup>TH</sup> INDUSTRIAL REVOLUTION  
TO THE TOP STUDENT DESIGNERS OF UNIVERSITY FOCUSSED INSTITUTIONS)**

**VENUE:** Great Illanga, Southern Sun, Elangeni Hotel, Durban

**ENTERTAINMENT:** To be confirmed



## THURSDAY MORNING, 13 SEPTEMBER 2018 (DAY 3)

### THEME 4: THE 4<sup>TH</sup> INDUSTRIAL REVOLUTION AND SUSTAINABLE FUTURES

#### Chair:

09:00 – 09:30

#### SESSION THEME ADDRESS

**Prof Chris Adendorff**

Professor in Future Studies, Nelson Mandela University (NMU)

**Title:** Trends for the Future

Q & A

09:30 – 10:30

#### RESPONDENTS:

Technology Innovation Agency (TIA)

National Research Foundation (NRF)

Department of Health

Department of Public Service and Administration (DPSA)

Economist

10:30 - 11:00

Tea/Coffee (Atrium)

## THURSDAY MORNING, 13 SEPTEMBER 2018 (DAY 3)

11:00 -13:00	BACK TO THE FUTURE: SHOWCASING INSTITUTIONAL INNOVATIONS
11:00 - 11:15	Cape Peninsula University of Technology (CPUT) <i>Title:</i>
11:15 – 11:30	Central University of Technology (CUT) <i>Title:</i>
11:30 – 11:45	Durban University of Technology (DUT) <i>Title:</i>
11:45 – 12:00	Mangosuthu University of Technology (MUT) <i>Title:</i>
12:00 – 12:15	Tshwane University of Technology (TUT) <i>Title:</i>
12:15 – 12:30	University of Mpumalanga (UMP) <i>Title:</i>
12:30 – 12:45	Vaal University of Technology (VUT) <i>Title:</i>
12:45 – 13:00	Walter Sisulu University (WSU) <i>Title:</i>

**THURSDAY AFTERNOON, 13 SEPTEMBER 2018 (DAY 3)**

CONFERENCE CLOSURE	
13:00	Conference Closure
13:15	Lunch