



**DRONE CON 2019**  
**Venue: Durban ICC - Dates: October 15 to 16, 2019**  
**Theme: "Redefining the Future of Work with Drones 4.0"**  
**Programme Overview**

**Day 1 – Tuesday October 15, 2019**

08h00: Arrival and Registration

**Opening Plenary Moderated** by the Host of the SABC Network Technology Show, Mr Siphumelele Zondi

09h00: **Opening by the Moderator**

09h10: Drone Con Video from past events

09h20: Welcome Remarks - by Hon. Mayor of City of Durban

09h30: **State of the Global and Local Drone Industries and Latest Trends** – by the President of the Commercial Unmanned Aviation Association of Southern Africa, Mr Sean Reitz

09h50: **Preparing the KZN Youth for the Future of Work** – by the KZN MEC for Economic Development Tourism and Environmental Affairs, Ms Nomusa Dube-Ncube MPL (also to introduce Minister)

10h10: **Keynote Address** – by Hon. Minister of Telecommunications and Postal Services, Ms Stella Ndabeni-Abrahams MP

10h40: **Tea/Coffee Break and VIP tour of Show Floor**

**Track 1 – Regulatory and Industrial Policy Framework** - Moderated by the Acting Deputy Director General in the Department of Transport, Ms Manare Mamabolo

11h10: **Presentation** by the Director of Civil Aviation and CEO of the South African Civil Aviation Authority, Ms Poppy Khoza

**Other Panellists:**

- ⇒ **RPAS Integration into Airspaces** - by the Executive: ATM/CNS Planning and Standards at ATNS, Mr Jeffrey Matshoba
- ⇒ **Curbing illegal drone operations** – by the CEO of Fly Robot and EXCO Member of Commercial Unmanned Aircraft Association of Southern Africa (CUAASA), Mr Allan Ball
- ⇒ **Privacy and data protection (DTPS)**
- ⇒ **Need for Progressive Regulations** - by the President of the South African Federation of Unmanned Aircraft Systems (SAFU), Mr Sam Twala

## Track 2 – A View from the Security Cluster and Law Enforcement - Moderated by (DoD)

**11h50:** **Presentation on Drone Regulations from the Dept. of Defence** by Colonel Meredith

Other Panellists:

- ⇒ Overall control of air space and arms control (Air Force)
- ⇒ Enforcement of all regulations (SAPS) Air Wings
- ⇒ Enforcement at municipal level (Durban Metro Police) – Chief of Police
- ⇒ Security Industry Applications

**12h30** **Keynote Interview: Convergence of Global Standards for UAS Operations – FAA, EASA and ICAO Approaches – by an International Expert (DJI)**

**12h45:** **Networking Lunch and Demo's in the Drone Pavilion**

## Conference Track 3 – Skills Development for the Next Generation of Drone Pilots, Technicians and Data Scientists *TETA*

**14h00:** **Presentation: Drone Industry Skills Audit and Future Demand Drivers**, by Moses Kotane Institute

Other Panellists:

- ⇒ Future Scenarios for Skills Growth by Major Sector
- ⇒ Sector-specific application training for drone pilots – *RPAS Academy*
- ⇒ The city's 4IR skills gaps and opportunities for drones – by the Chief Learning Officer in the City of Durban, *Dr Mpilo Ngubane*
- ⇒ Capacitating the new crop of drone pilots and technicians for priority business verticals – by a Senior Economist at the KZN Department of Economic Development Tourism and Environmental Affairs and Project for Durban Aerotropolis, *Mr Cosmas Hamadziripi*

## Conference Track 4 – Emerging Use Cases for Drone Technology Moderated by the Deputy Director General in the Department of Trade and Industries, Mr Zeph Nhleko

**14h40:** **Presentation: (Sponsor for Drone Con)**

Other Panellists:

- ⇒ Smart Ports (Transnet NPA)
- ⇒ Rail Inspections and Security (Transnet Freight Rail)
- ⇒ Energy (Eskom Head of Aviation, Muzi)
- ⇒ Surveying, Mapping Town Planning (Andre Enrico)

**15h20:** **Summary of Day's Deliberations and Preview for Day 2**



15h40: **Networking, Speed Meetings and Demo's in the Pavilion**

17h30: Mayoral Cocktail Reception



## Day 2 – Wednesday October 16, 2019

09h00: Arrival and Registration

### Conference Track 5 – Precision Farming and Conservation *Moderated by Agri-Business Development Agency*

**Presentation:** Driving Efficiencies and Competitiveness in AgriTech - by the Author of “Precision Farming from Above”, Ms Louise Jupp

**Other Panellists:**

10h00:

- ⇒ Improving crop output using drone technology, by UVSSA Mr Farrell Alderton
- ⇒ Wildlife Conservation and Anti-Poaching, by the Ecosystems Ecologist at the KZN Ezemvelo Wildlife, Dr Debbie Jewitt
- ⇒ Opportunities for Small Farmers – by AgriBusiness Development Agency or KZN Dard
- ⇒ Data Processing and Advanced Analytics – by Aerobotics

10h40:

**Keynote Interview: Unmanned Traffic Management and the Impact of Drone Activity around South African Airports – by the Acting CEO of Airports Company South Africa (ACSA), Ms Bongiwe Mbovu**

11h00:

**Tea/Coffee Break**

### Conference Track 6: Smart Cities Integration of Drone Technology – *Moderated by the KZN South African Local Government Association (SALGA) - KZN*

11h30:

**Presentation 1:** Drone global smart cities use case studies - by the Business Architect at SAP, Mr Mervyn George

**Presentation 2:** Proof of Concept on key use cases - by the Chief Digital Officer in the City of Durban, Mr Lunga Madlala

**Other Panellists:**

- ⇒ Major Use Cases: City Policing and Emergency Services (KZN CoGTA)
- ⇒ Other Cities
- ⇒ Data Processing, Analytics and AI

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| 12h10:  | <p><b>Keynote Presentation on Game Changers: Drone Deliveries, Passenger Drones and Autonomous Drones</b> by SA National Blood Service Dr Jonathan Louw</p> <ul style="list-style-type: none"> <li>⇒ Drone deliveries</li> <li>⇒ KZN Deliveries (Cosmas)</li> </ul>   |
| 12h50:  | <p><b>Networking Lunch</b></p>  |
| <p><b>Design Thinking Workshop for the Adoption of Drone Technology in Smart Cities Programmes</b><br/> <i>Facilitated by a Design Thinking/Technology Expert</i></p> |   |
| 14h00:  | <p>The objective of this workshop will be to identify use cases for drone technology in smart cities programmes of South African cities. Participants will be drawn from key municipal departments, drone industry players, SALGA, COGTA, SA Cities Network, SACAA, etc. Outcomes of this workshop will be incorporated into a blue print that will be used to develop standards for adoption of drone technology in municipalities. Format of workshop will include breakout discussions in no less than 4 key areas:</p> <p><b>Setting the Scene</b> – by the Chief Executive Officer of SA Local Government Association and Member of the Presidential 4IR Commission, Mr Xolile George.</p> <ul style="list-style-type: none"> <li>⇒ Drone Bylaws, Policing &amp; Enforcement, etc.</li> <li>⇒ Priority Departments;</li> <li>⇒ Guidelines for Procuring of Services; and</li> <li>⇒ Skills Development.</li> </ul> |
| 16h00:  | <p><b>Summary of Day's Deliberations</b></p>  |
| 16h20:  | <p><b>Closing Remarks</b></p>   |
| 16h30:  | <p><b>Closure and networking</b></p>  |