



# PROGRAMME FOR 2021 VIRTUAL SARIG RADAR CONFERENCE

## THEME: RADAR FOR SOCIETY

**Venue:** *Virtual Conference - Microsoft Teams (Link provided after registration)*

**Date:** 20 OCTOBER 2021

**Registration (Closes on 18 October 2021):** [sariqconf2021.eventbrite.com](https://sariqconf2021.eventbrite.com)

**CPD Points:** 1 ECSA CPD Point

**SARIG Website:** [sariq.org.za](https://sariq.org.za)

**Cost:** Free

TIME	THEME	TIME	SPEAKER
07:30-08:00	Registration / Connecting	30 min	-
08:00-08:10	Welcome	10 min	Mr Molahlegi Molope – SARIG Chairperson
08:10-08:40	Key Note Speaker	30 min	Mr. Frikkie Botha - HENSOLDT South Africa & Mr. Maik Schuermann – Leonardo Germany
08:40-09:10	The Next Steps from Fully Digital AESA Radar to a Multifunctional RF System	30 min	Mr Josef Worms - Fraunhofer (Germany)
09:10-09:40	Use of Emerging illuminators for Passive Radar	30 min	Prof Daniel O’Hagan – Fraunhofer (Germany)
09:40-10:10	Drone Detection at Peralex	30 min	Mr Jean Swart – Peralex
10:10-10:30	Tea / Coffee	20 min	-
10:30-11:00	Overview of Radar Projects at UCT	30 min	Dr Stephen Paine – University of Cape Town (UCT)
11:00-11:30	Multi-Frequency Micro-Doppler Based Classification Of Micro-Drone Payload Weight	30 min	Mr Dilan Dhulashia - University College London (UCL) - UK
11:30-12:00	Networked Radar Synchronisation using GPS Disciplined Rubidium Oscillators	30 min	Mr Piers Beasley – University College London (UCL) - UK
12:00-12:30	Guiding Technologies for the Future	30 min	Mr Graham Walker – SAAB
12:30-13:30	Lunch	60 min	-
13:30-14:00	Synthetic Aperture Radar aspects of the proposed Gauteng multi-sensor measurements campaign	30 min	Dr Ciara Blaauw & Mr Willie Nel - CSIR

14:00-14:30	Applications of the MicroSTAR: A study on bistatic SAR for close to shore maritime domain awareness	30 min	Mr Willie Nel & Mr Sias Mostert - CSIR
14:30-15:00	Next generation RADAR signal processor architectures for Space2.0 applications	30 min	Mr Benjamin Hlophe - Kutleng
15:00-15:30	Data Fusion for Wildlife Surveillance and Border Safeguarding	30 min	Prof Peter de Villiers & Dr Allan de Freitas – University of Pretoria (UP)
15:30-16:00	Afternoon break - Tea/Coffee	20 min	-
16:00-16:30	Technical introduction and application examples of the new-generation Sub-Surface Profiler for Underground Mining and other Applications.	30 min	Mr Margot Nel & Pieter-Jan Wolfaardt – Reutech Radar Systems (RRS)
16:30-17:00	Drone detection and micro Doppler extraction using low cost radar	30 min	Mr Vatha Soxujwa - Armscor
17:00-17:10	Closing	10 min	Mr Molahlegi Molohe – SARIG Chairperson

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