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NSTF

S.E.T. for socio-economic growth

What is 5G, is it good or harmful?

Lotus FM The Official Drive show hosting Ms Jansie Niehaus, NSTF Executive Director

The [National Science and Technology Forum \(NSTF\)](#) and its Professional Bodies and Learned Societies sector called [proSET](#) (Professionals in science, engineering and technology) hosted an online discussion forum on the 23 November 2020 on Internet of Things (IoT) technologies and 5G roll-out.

Background: As the [NSTF/proSET discussion forums](#) have found over the past two years, Fourth Industrial Revolution (4IR) technologies have huge potential to improve operations in various industries, in education, and in people's lives. But these technologies require sound connections and high connection speeds. What are the potential, progress and challenges associated with 4IR technologies, in particular the Internet of Things?



Tune in to Lotus FM The Official Drive show for the radio interview with the NSTF Executive Director, Ms Jansie Niehaus to hear more about the main issues that were discussed at the seminar.

Date: Tuesday, 24 November 2020 at 16:30 pm (GMT+2)

Frequency: Lotus FM on 87.7-106.8 MHz FM

Live Streaming:

<http://www.lotusfm.co.za/digital/player/1.0/lotusfm/index.html>

(Lotus FM is a South African national radio station based in Durban. The station broadcast in both English and Hindi.)



The seminar speakers were:

- **Mr Sean Laval**, Executive: Solutions and Innovations, SqwidNet. It is his job to advise customers on strategic technical decisions to enable key business outcomes. He holds a degree in Electrical and Electronic Engineering Science from the University of Johannesburg (UJ).



- **Dr Fisseha Mekuria**, Chief Research Scientist at the CSIR. He leads the 5G standards and Digital inclusion research at the CSIR. He works with the mobile and internet service industry in developing countries. His focus is on network resource sharing for affordable broadband connectivity, and development of telecom regulatory frameworks and capacity building for telecom regulators in Africa.

He is leading the disruptive technology research in dynamic spectrum sharing and affordable network technologies. The project made headlines as the only emerging economy technology patent contribution for smart spectrum sharing and unlicensed spectrum networks. His leadership of the smart spectrum sharing team, has earned him the prestigious [NSTF-South32 Award](#) for Innovation through a Corporate Organisation in July 2020. Among his many activities, he teaches at UJ and University of the Witwatersrand.

Follow the social media conversations on the following NSTF platforms:

- Facebook: [@NSTFSA](#)
- Twitter: [@NSTF_SA](#)
- LinkedIn: [National Science and Technology Forum \(NSTF\)](#)
- Instagram: [nstf_sa](#)
- Hashtags: [#IoT](#) [#5G](#)

About the NSTF

The [National Science and Technology Forum \(NSTF\)](#), established in 1995, is a broadly-representative stakeholder body for all science, engineering and technology (SET) and innovation organisations in South Africa, which seeks to influence policy formulation and delivery.

The [NSTF Awards](#) are unique in SA, recognising the outstanding contributions of individuals and groups to SET and innovation.

The science [bursaries](#) page provides information on bursaries and bursary providers for science, engineering and related studies.

Disclaimer

The NSTF has taken all practical measures to ensure that the material contained in this newsletter is correct. The NSTF reserves the right to make changes as it deems necessary.

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Non Profit Company Registration Number: 2007/029165/08

NPO Registration Number: 92042