



STEM education and maths reform

6-8 August 2018, Kempton Park, Gauteng

#STEMreformSA

[proSET](#) (Professionals in science, engineering and technology) is hosting this 3-day event with NSTF member, [Ukuqonda Institute](#). proSET is a sector of the [National Science and Technology Forum \(NSTF\)](#) representing Professional Bodies and Learned Societies.

Programme

Day 1: 6 August : 09:00-16:30

Item	Topic	Speaker/ Organisation
08:30-09:00	Arrival and registration	NSTF Registration Desk
09:00-09:30	Welcome to participants Outline of the purpose of the meeting and its intended outcomes	Ms Jansie Niehaus , Executive Director: NSTF Mr Dawie Botha , Co-Chairman of proSET, NSTF Executive Committee Member, South African Academy of Engineering (SAAE) Prof Piet Human , Ukuqonda Institute
09:30-10:00	Science Oscars and Matric Pass Rates – Quality and Quantity in STEM Education	Prof John Bradley , Honorary Professor: Department of Education, University of the Witwatersrand (1998 NSTF Award Winner)

10:00-10:30	The Reviewed National Strategy for Mathematics, Science and Technology MST Education in GET & FET (2019-2030)	Ms Elspeth Mmatladi Khembo , Project Manager: MST Conditional Grant, Department of Basic Education
10:30-10:40	Tea	
10:40-11:00	How to improve STEM education by supporting teachers	Dr Mampone Seopa , Limpopo Department of Education
11:15-12:00	An engineering perspective on required skills in STEM	Prof Louis Lagrange , SIAIE Ms Teresa Hattingh , SAIIE
12:00-12:55	Session on proSET interactive cartoon and brainstorm	Mr Richard Gunderson , proSET Committee
12:55-13:00	Wrap-up for the morning, and direction for afternoon activities	Ms Jansie Niehaus
13:30-14:10	Lunch	
14:15-15:15	Panel of representatives of organisational beneficiaries of proSET grants	Prof Kerstin Jordaan , SAMF Mr Mohamed Sameer Hoosain , IEEE Mr Trueman Goba , SAAE Dr Mark Herbert , SAIP Prof Hamsa Venkatakishnan , SAARMSTE
15:15-15:30	Conventions: A driver for Economic development	Mr Bjorn Hufkie , South African National Convention Bureau, SA Tourism Board
15:30-16:50	STEM in the NDP (National Development Plan) & HRD (Human Resource Development)	Dr Dudu Mkhize , Human Resource Development Council (HRDC)
16:50-17:00	Recommendations Wrap-up for the day, and announcements for next day	

Please complete the Evaluation form/s

Presentations, proceedings, etc will be made available on

<http://www.nstf.org.za/discussion-forum/stem-education/>

Video clips will be posted to the NSTF YouTube platform

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