

**NATIONAL SCIENCE AND TECHNOLOGY FORUM (NSTF)  
MINUTES OF ANNUAL GENERAL MEETING**

**Date: 19 November 2021**

**Time: 10:00 to 11:30**

**Venue: Zoom Meeting**

**1. WELCOME, APOLOGIES, INTRODUCTIONS AND QUORUM (Prof Ali Dhansay, Chairperson)**

Prof Ali Dhansay, NSTF chairperson, officially welcomed everyone to the 2021 Annual General Meeting. He added that this meeting was held not only to fulfil the NSTF's legal and fiduciary obligations, but also to communicate with the members.

Prof Dhansay noted that everyone had been affected by COVID-19, some people more than others, and made particular mention of the loss of Prof Bob Scholes, Mr Lionel Murcott (Ms Niehaus's husband) and Ms Marie Ashpole's husband.

Apologies were recorded from 41 individuals representing 14 organisations.

There were 104 representatives and alternates from 87 organisations attending the meeting, or 70% of the membership, and thus a quorum as prescribed by the Memorandum of Incorporation.

The agenda for the meeting was adopted.

Proposed by Mr Dawie (David) Botha

Seconded by Dr Mpho Lekgoathi

**2. CONFIRMATION OF THE MINUTES OF THE AGM OF 13 NOVEMBER 2020 AND MATTERS ARISING**

The minutes of the AGM of 13 November 2020 were adopted as a true reflection of proceedings with the following revision:

- Page 8 List of participants: Prof Rollnick's first name was misspelled and should read 'Marissa'.

Proposed by Ms Mariana Purnell

Seconded by Mr Dawie Botha

**3. LAUNCH OF 2020/2021 NSTF ANNUAL REPORT AND FINANCIAL MATTERS (Ms Jansie Niehaus, Executive Director)**

Ms Niehaus announced that the annual report would be published on the NSTF website ([www.nstf.org.za](http://www.nstf.org.za)) shortly.

**3.1 Audit for financial year 1 April 2020 to 31 March 2021**

The annual financial statements for the year ending 31 March 2021 were published in the annual report.

**3.2 Appointment of auditors for financial year 1 April 2021 to 31 March 2022**

Ms Niehaus explained that as the NSTF was a non-profit company, it was not a legal requirement to have an audit, but the NSTF submits to a voluntary audit every year. The NSTF had received good service from Middel & Partners and proposed to use them again for the coming year. This was accepted by the members present.

#### 4. EXECUTIVE DIRECTOR'S REPORT ON ACTIVITIES (Ms Jansie Niehaus, Executive Director)

The NSTF is a civil society forum and is registered as a non-profit company (NPC), which has had transformation on its agenda since the beginning. In a complex and often divided political environment, there is a need for an institution such as the NSTF, to serve as an independent platform and a place for participation in activities that are inclusive and collaborative, and reflect openness, independence and collaborative energy. In short, the NSTF is a unique platform and an investment in democracy. A forum such as the NSTF that asserts scientific truth is extremely important.

The vision of the NSTF is a transformed country where science, engineering and technology (SET) and innovation contribute to a high quality life for all who live in South Africa; where the profile of SET professionals is representative of the population's profile; and where the education system is effective, particularly in terms of performance in SET subjects and promoting innovation.

The NSTF's 124 member organisations represent a variety of sectors. The biggest sector is *proSET* (Professionals in Science, Engineering and Technology). The following sectors are also represented: Higher Education, Civil Society and Labour, Business and State-owned Enterprises, and Science Councils and Statutory Bodies.

An important activity of the NSTF is the publication of a monthly newsletter, which serves as a mouthpiece for the SET community. The newsletter provides a comprehensive overview of SET activities, including policy issues, opinion pieces to stimulate debate, *proSET* news, news of SET events and specific NSTF news. Items of interest from the Science Councils and State-owned Enterprise sectors are also collected and published. The newsletter is distributed to about 13 000 contacts. NSTF news can be accessed at [www.nstf.org.za/newsletters](http://www.nstf.org.za/newsletters).

Discussion forums are organised by the NSTF on topics of cross-cutting relevance to the SET and innovation community. Three forums were held during the past year:

- Participation in the ISPIM (International Society for Professional Innovation) virtual conference. The ISPIM event is organised over 24 hours and moves from Japan around the Earth to Australia. A panel of six South Africans, comprising four NSTF-South32 award winners and two other experts, highlighted issues related to the innovation process in the country.
- Internet of Things technologies and 5G connectivity roll-out.
- Preparing for epidemics in South Africa – human and animal.

The Internet of Things event would be discussed under the *proSET* feedback, and the Preparing for Epidemics forum under the Science Councils section. These events were attended by a total of 167 delegates from across South Africa and abroad. Summaries of the discussions are included in the annual report, and papers, proceedings and media releases are available on the NSTF website ([www.nstf.org.za/discussion-forum-previous/](http://www.nstf.org.za/discussion-forum-previous/)).

The awards function was held on 30 September 2021. The NSTF awards, which are co-branded and sponsored by South32 (a mining company), were established in 1998 to recognise, reward and promote excellence in SET and innovation in South Africa. The NSTF awards trophy is unique in its form and manufacture, which is done by 3D printing and embodies the slogan: 'Today's research ... Tomorrow's innovation'.

The NSTF raises awareness of global themes through the adoption of an annual theme. The theme for 2021 was 'The international year of the creative economy for sustainable development' and a Special Annual Theme Award was made for an outstanding contribution towards the creative economy for sustainable development. The award in this category was made to Dr Tegan Bristow of the School of Fine Arts, University of the Witwatersrand, for developing and contributing to the direction of Fak'ugesi African Digital Innovation Festival, and leading development and research in the digital creative industries in Africa.

The Brilliants Programme participants are also honoured at the awards event. This programme highlights top students in science and mathematics in matric, who made a choice to study in STEM-

related courses. They are held up as role models for school learners. One young male and one young female from each province are chosen to join the programme. Selection is based on the attainment of 90% or above in science and mathematics in the national senior certificate examinations of the previous year. This year there were 21 Brilliants students. The programme is sponsored by South32, the Department of Science and Innovation (DSI) for bursaries, and the Lewis Foundation for a fieldtrip. More information and interviews with the participants are available on the NSTF website ([www.nstf.org.za/wp-content/uploads/2021/09/e21WW-BrilliantsBest.pdf](http://www.nstf.org.za/wp-content/uploads/2021/09/e21WW-BrilliantsBest.pdf)).

This year the NSTF also recognised nine top first-year students for their matric results as well as their choice of studies in biological and environmental sciences. This part of the project is called the Lewis Foundation Biological and Environmental Sciences Top (BEST) students programme. Selection is based on the attainment of 80% or more in matric science and mathematics. These students could become South Africa's future environmental champions. The programme is sponsored by The Lewis Foundation, which is also sponsoring the field trip for all Brilliants and BEST students in 2022.

The Share 'n Dare Programme provides a platform for NSTF award winners to engage with the youth. The award winners are role models for SET and innovations who share their experience and knowledge with school learners who are 'dared' to follow in their footsteps. The programme is aimed at inspiring the youth to take mathematics and science related courses and to follow careers in SET and innovation. Video interviews that can be shared with schools have been produced, and it is hoped that more will be possible in years to come.

## 5. MEMBERSHIP DATABASE SINCE NOVEMBER 2020 TO DATE

The following new members were welcomed to the NSTF:

- South African Association of Food Science and Technology (SAAFoST) (proSET)
- Sefako Makgatho Health Science University (SMU) (Higher Education)
- African Health Research Institute (AHRI) (Civil Society)
- CodeMakers (SuperScientists) (Civil Society)
- Education, Training and Development Sector Education and Training Authority (ETDP SETA) (Statutory Bodies)
- South African Radio Astronomy Observatory (SARAO) (Statutory Bodies)

Four organisations had resigned their membership of the NSTF, namely:

- ORT SA (Civil Society)
- TiziriTech, (Business - SMMes)
- Transnet Engineering (SOE)
- Capricorn Education Resource Centre (Civil Society)

## 6. NSTF-SOUTH32 AWARDS AND CALL FOR NOMINATIONS

The NSTF-South32 Award Winners for 2020/2021 were:

- Prof Ray Durrheim (Lifetime Award)
- Prof Bruce Mellado (TW Kambula/NSTF Award: Researcher)
- Prof Sheetal Silal (TW Kambula/NSTF Award: Emerging Researcher)
- Dr Boitumelo Ramatsetse (TW Kambula/NSTF Award: Emerging Researcher)
- Prof Stephanie Burton (Management Award)
- Prof Philiswa Nosizo Nomngongo (Engineering Research Capacity Development Award)
- Prof Michael Claeys (Engineering Research Capacity Development Award)
- Prof Paul Oberholster (NSTF-Water Research Commission Award)
- School of Geosciences Data Collection and Storage Facility, University of the Witwatersrand (Data for Research Award)
- Biomimicry Diagnostic Verification Controls Team, University of the Witwatersrand (Innovation Award: Corporate Organisation)
- Reverse Osmosis/Cooling (ROC) Water Technologies Pty Ltd (Innovation Award: SMMes)

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- Prof Carolina Ödman (Communications Award)
- Outlook Foundation (NGO Award)
- Dr Tegan Bristow (Special Annual Theme Award).

The call for nominations for the 2022 NSTF-South32 Awards had been sent out, and the deadline for nominations was 10 December 2021. Fifteen awards would be made, including the Green Economy Award which had been reintroduced.

## **7. MEMORANDUM OF INCORPORATION: CHANGES**

Ms Niehaus advised that the proposed changes and amendments to the Memorandum of Incorporation (Mol) had been facilitated by a lawyer in order to update this document in terms of the Companies Act. While this was in process, the opportunity had been taken to clarify issues and make some other small changes.

The draft document showing the proposed changes to the Mol was available on the website ([www.nstf.org.za/wp-content/uploads/2021/11/NSTF-MOI-amended-2021-Final-with-tracked-edits-and-comments.pdf](http://www.nstf.org.za/wp-content/uploads/2021/11/NSTF-MOI-amended-2021-Final-with-tracked-edits-and-comments.pdf)), and acceptance or rejection of the proposals could be posted on the Chat. A survey would be circulated electronically to measure acceptance.

The following members recorded their approval the changes in the Chat: Ms Buhle Khumalo-Bokaba, Prof Jesika Singh, Dr Kobus Herbst, Ms Renate Venier, Prof Bertie Fielding, Ms Sarah van Aardt, Dr TG Barnard, Dr Mpho Lekgoathi, Ms Elelwani Mainganye, Mr Mpho Madisha, Prof Chris Chimimba and Prof Marissa Rollnick.

## **8. POSITION OF CHAIRPERSON: CALL FOR NOMINATIONS IN 2022**

Prof Ali Dhansay would be standing down as chairperson in 2022. It would therefore be necessary to choose a new chairperson in the course of the coming year. A public call for nominations will be issued, which would include NSTF members. The final decision would be made by the Executive Committee. This was a voluntary position without remuneration. An advertisement had been posted on the website ([www.nstf.org.za/wp-content/uploads/2021/10/21ChairpersonAdvert.pdf](http://www.nstf.org.za/wp-content/uploads/2021/10/21ChairpersonAdvert.pdf)), and nominations could be sent to [enquiries@nstf.org.za](mailto:enquiries@nstf.org.za).

## **9. TOPICS AND THEMES**

### **Theme for 2021/2022**

The theme for the next year would be 'Basic Sciences for Sustainable Development'. The NSTF's special annual theme award in 2021/2022 would focus on this theme, and a discussion forum on the theme would be held.

### **Call for suggestions for discussion forums**

NSTF members were invited to submit suggestions of topics for discussion forums in the coming year. This was the first time that the focus had been on the basic sciences. The focus should include the way in which the basic sciences enable sustainable development.

## **10. proSET – REPRESENTING PROFESSIONAL BODIES AND LEARNED SOCIETIES IN THE NSTF (Mr Dawie Botha, proSET co-chairperson)**

Mr Botha acknowledged with thanks the contributions of the NSTF and the members of the proSET Committee. A successful first general meeting of proSET had been held on 25 October 2021, attended by approximately 80% of the proSET members.

### **Progress report**

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The proSET committee is made up of Mr Richard Gundersen, Mr Johan Maartens, Dr Bertus Smith and Mr Dawie Botha (co-chair). Prof Kerstin Krüger who had been co-chair had resigned, and Dr Gerda Botha had resigned as SACNASP representative; however she would still be a member of the committee as alternate representative of STEMulator. A request for nominations had been issued. It had also been decided that since the sector's activities were closely aligned to the education sector, two members from this sector should be added to the committee.

A number of years ago proSET was privileged to have received control of the fund of the Associated Scientific and Technical Societies of South Africa (AS&TS) managed by Investec. Proceeds had been used to fund projects but the capital (investments) was being maintained as far as possible. Despite utilising funds and market fluctuations, the fund remained healthy.

The discussion forums had been well attended, most probably thanks to utilising current online formats. The subjects selected for the forums were topical and served to demystify the SET environment. It was important to reach out to the public in a way that was easily understood.

Currently two committee projects were being carried out by proSET, namely the membership booklet and the STEMulator. In addition, a call went out inviting proposals for further projects.

The membership booklet is an ambitious project on the Who is Who in the professional SET landscape. The booklet features the various sectors, describes the activities of proSET members, provides a list of acronyms, and contains much more useful information, with the aim of serving as a source of information for students seeking assistance in building a career, and government departments and others who need to understand the SET sector. A hard-copy print run is planned. These copies would be distributed to members, who would hopefully pass these on to their key contacts as a tool to market proSET. The booklet would also be published electronically.

Ms Niehaus advised the meeting that the booklet was available on the proSET website under membership ([www.nstf.org.za/up-content/uploads/2021/10/e\\_proSET-booklet.pdf](http://www.nstf.org.za/up-content/uploads/2021/10/e_proSET-booklet.pdf)). Hard copies were planned to be available by the end of the year and would be made available with the annual report, and these would also go to NSTF members.

Mr Botha thanked Ms Wilna Eksteen and her team for their help with the preparation of the publication.

Mr Botha introduced Mr Richard Gundersen, who was driving the internationally unique proSET STEMulator project.

Mr Gundersen explained that the aim of the STEMulator project was to get children excited about SET and to give them a place to explore. Progress had been slow in the last year due to COVID-19, and even the competition that had been run had elicited only a few ideas, which were being explored. There had been a positive contribution by the Corrosion Institute. There was no tile for corrosion, but there is an icon (the Corrosion Institute logo) on some pages, which leads to information about corrosion. The link to the Corrosion Institute. This type of information and link could potentially be incorporated for all NSTF members. A relationship had been established with the South African National Biodiversity Institute (SANBI), which wanted to create awareness of the national collections that it manages. A new tile was being developed, which includes a herbarium, a museum, a zoo and a space observatory.

A programme of introducing the STEMulator to schools had been undertaken, and it had been distributed on memory sticks to 250 rural schools. A full-time employee had been appointed for the project, which would help in managing the project and maintaining the momentum. It was planned to add a school tile to the STEMulator to accommodate the full STEM curriculum and the spectrum of experiments that teachers have to conduct. This would allow teachers to focus on the explanation of the science and not on the setting up of equipment. SANBI would be contributing to the water and ocean tiles. It had not yet been possible to create content for the mining tile.

There was potential for NSTF members to become involved in the STEMulator. The goal was for every child to have interacted with the STEMulator by the time they leave school, and the project would need to be widely publicised.

Mr Botha thanked Mr Gundersen and invited feedback on the STEMulator, which was available at <http://stemulator.org>.

Ms Niehaus added that there had been positive feedback on the project from the recent proSET general meeting, and that the collaboration with SANBI was subject to a formal agreement. The link to the STEMulator was included in all advertisements on a variety of projects placed by the NSTF.

## 11. SCIENCE COUNCILS AND STATUTORY BODIES SECTOR

Ms Niehaus reported back on behalf of the Science Councils and Statutory Bodies sector. This sector would be hosting the discussion panels at the Science Forum South Africa (SFSA). The SFSA was organised by the DSI and was an online event with a limited number of physical attendees. There were many parallel sessions and plenaries, and the event was being held from 1–3 December 2021. The Science Councils and Statutory Bodies sector would be participating in two parallel sessions on 1 December, at 09:00 and 13:30, with about six panellists in each session.

The topic to be covered was ‘Skills to prepare South Africa for future pandemics’. This was a follow-up to the discussion forum held in February 2021, which had hosted 16 speakers over two days. The focus would now be on what skills were necessary to prepare better for infectious diseases that could cause pandemics, particularly when each new variant required new knowledge and skills. Members were encouraged to attend the SFSA.

The conclusion from the last discussion forum was that the operational work, research and developments on COVID-19 taking place in South Africa were not being properly featured in publicly available information. The country had outstanding scientists working in this field and making international contributions to science.

Ms Niehaus closed the presentation with a quote from the NSTF chairperson: “The national system of innovation (NSI) community needs to rise to the prevailing challenges and fly the flag of scientific integrity, values and excellence.”

## 12. SECTOR NOMINATIONS

Mr Denis Hunt, chair and head adjudicator of the Awards Adjudication Panel, pointed out that the virtual format of the AGM did not allow for representatives of the various sector to come together to make nominations for the panel. He read out the names of people recommended by members of the current panel for nomination and requested attendees to indicate whether they supported the individuals for nomination:

Sector	Recommendation/nomination	Comments
Chair and head adjudicator	Mr Denis Hunt, director and board member, NSTF	Available
Vice-chair	Open	
<b>Sector members of panel</b>		
Business Sector	Ms Mariana Purnell, eGrain	Nominated
	Lebohang Moiloa, GreenGold	Nominated
Civil society and labour	Mr Mpho Kendy Madisha, BSTEP	Nominated
	Ms Thulile Khanyile, co-founder: Nka’Thuto Education Propeller (alternate representative)	Nominated
Higher education	Prof Lesley Cornish, Wits	Nominated
	Dr Masimba Paradza, CPUT	Nominated
	Dr Matete Madiba, UP	Nominated
	Dr Nnnesi Kgabi, NWU	Nominated
Professional bodies: Science	Prof Gillian Drennan, Wits	Nominated
	Dr Masimba Paradza, CPUT	Nominated

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Sector	Recommendation/nomination	Comments
	Dr Yusuf Abdullahi, UP	Nominated
Professional bodies: Engineering	Prof Beatrys (Bea) Lacquet, Wits	Nominated and accepted at AGM
	Dr David Lokhat	Available
Science councils and statutory bodies	Prof Glenda Gray, MRC	No indication of availability
	Dr Mpho Lekgoathi, Necsa	Available
	Prof Stephanie Burton, UP	Nominated without approval
	M Mokwele, ARC	Nominated
	Reboane Mokate, Necsa (Alternate)	Nominated
Business and state- owned enterprises	Dr Lesotlho David Kock, Necsa	Accepted at AGM
	Dr Kammy Young, Eskom Holdings	No indication of availability but accepted at AGM

Ms Niehaus stressed that it was important to constitute a panel that was representative of the expertise required for adjudication of the various awards. Each year, nominations are received and the CVs of nominees are submitted to the Executive Committee (Exco), which takes final responsibility for the appointment of the panel. The panel meets in April and May, and a third time if necessary, and again after the awards ceremony in order to review the process. It is appreciated that some members serve on the panel for a number of years as this provides for continuity, but newcomers to the panel are also welcomed. Further nominations for the 2022 Awards Adjudication Panel would be accepted and taken forward by Exco.

### Nomination of Exco members

Ms Niehaus read out the three nominations that had been received for Exco members: Mr Revel Iyer (Higher Education sector), Mr Sibusiso V Mjwara (Civil Society and Labour) and Dr Babatyi Malope-Kgokong (Science Councils and Statutory Bodies). It was noted that Dr Mpho Lekgoathi had also been nominated, but he was already representing State-owned Enterprises. All the nominations were supported from the floor. These nominations were subject to ratification by Exco.

It was noted by the chairperson that the agenda only mentions nominations for the Science Council and the Civil Society and Labour sectors, but a nomination had also been listed for the Higher Education sector. It was confirmed that the agenda was correct and that no nomination had been requested for the Higher Education sector.

A call was made for suggestions for discussion forums for the next year including the theme of 'Basic sciences for sustainable development'. Some suggestions had been received, but further suggestions would be welcome before the end of the year.

## 13. GENERAL AND CLOSURE OF AGM

Prof Dhansay thanked all the participants. In particular, he thanked Exco as well as Ms Niehaus and her team for the excellent feedback on the many activities. He was pleased to note that the NSTF was finishing the year in a sound financial position. He wished everyone well before formally closing the meeting.

**APPENDIX A: PARTICIPANTS IN AGM**

<b>Member organisation</b>	<b>Title</b>	<b>Name</b>	<b>Surname</b>
Academy of Science of South Africa - ASSAf	Mrs	Renate	Venier
Africa Health Research Institute - AHRI	Dr	Kobus	Herbst
AfricaBio	Mr	Lesley	Mabasa
Aluminium Federation of South Africa - AFSA	Mr	Muzi	Manzi
Association of Science Technology Engineering Mathematics and Innovation - ASTEMI	Mrs	Krishnie	Naidoo
Black Science, Technology and Engineering Professionals - BSTEP	Mr	Mpho	Madisha
Cape Peninsula University of Technology - CPUT	Dr	David	Phaho
Central University of Technology - CUT	Prof	Deon Johan	De Beer
CodeMakers (SuperScientists)	Dr	Justin	Yarrow
Corrosion Institute of Southern Africa - CorriSA	Ms	Petra	Mitchell
Council for Geosciences - CGS	Ms	Nomvelo	Mkhize
Council for Mineral Technology - Mintek	Dr	Deshenthree	Chetty
Council for Scientific Industrial Research - CSIR	Dr	Ndumiso	Cingo
Department of Agriculture, Land Reform and Rural Development - DALRRD	Ms	Patience	Mphumbude
Department of Science and Innovation - DSI	Ms	Buhle	Khumalo-Bokaba
Durban University of Technology - DUT	Miss	Charity Philisiwe	Cele
Entomological Society of Southern Africa - ESSA	Prof	Julie	Coetzee
Expo for Young Scientists	Mrs	Krishnie	Naidoo
Fertiliser Association of Southern Africa - FertASA	Dr	Pieter	Haumann
Geological Society of South Africa - GSSA	Dr	Craig	Smith
GSSA	Prof	Gillian	Drennan
Geostatistical Association of Southern Africa - GASA	Mr	Mpfariseni	Mudau
Grassland Society of Southern Africa - GSSA	Dr	Igshaan	Samuels
GreenMatter	Ms	Janavi	Da Silva
Human Sciences Research Council - HSRC	Dr	Palesa	Sekhejane
International Association of Impact Assessment South Africa - IAIASA	Ms	Sue	George
Mineral Councils South Africa - MINCOSA	Mr	Christian	Teffo
Muandiso NPC	Ms	Elelwani	Mainganye
National Agricultural Research Forum - NARF	Mr	Mathala	Mokwele
National Health Laboratory Service - NHLS	Mr	Maanda	Mudau
National Intellectual Property Management Office - NIPMO	Ms	Paballo	Masite
National Metrology Institute of South Africa - NMISA	Dr	Liesl	Burger
Nka'Thuto EduPropeller	Mrs	Thandeka	Mhlanga
Programme for Technological Careers - PROTEC	Mr	Fannie	Matumba
Science Stars	Mr	Madambi	Rambuda
South African Academy of Engineering - SAAE	Dr	Christine	Render
South African Association for Food Science and Technology – SAAFoST	Ms	Susan	Featherstone



<b>Member organisation</b>	<b>Title</b>	<b>Name</b>	<b>Surname</b>
South African Association for Theoretical and Applied Mechanics - SAAM	Dr	Andie	De Villiers
South African Association of Science and Technology Centres - SAASTEC	Mr	Daniel	Motsapi
South African Bureau of Standards - SABS	Mr	Richard	Sadiki
South African Chemical Institute - SACI	Prof	Helen	Drummond
South African Council for Automation and Control - SACAC	Mr	John	Burchell
South African Council for Natural Scientific Professions - SACNASP	Prof	Khathutshelo	Nephawe
SACNASP	Ms	Sarah	Van Aardt
South African Institute for Industrial Engineering - SAIIE	Mrs	Teresa	Hattingh
South African Institute of Agricultural Engineers - SAIIE	Mr	Thabo	Mavundza
SAIAE	Mrs	Chikondi	Gurira
South African Institute of Chemical Engineers - SAIChE	Prof	David	Lokhat
South African Institute of Electrical Engineers - SAIIE	Prof	Mbuyu	Sumbwanyambe
South African Institute of Physics Institute of Physics - SAIP	Mr	Brian	Masara
South African Institution of Civil Engineering - SAICE	Mr	Vishaal	Lutchman
South African Mathematics Foundation - SAMF	Mrs	Ellie	Olivier
South African Nuclear Energy Corporation - Necsa	Dr	Mpho	Lekgoathi
Necsa	Ms	Rabaone	Mokate
South African Radio Astronomy Observatory - SRAO	Mr	Simpiwe	Madlanga
South African Space Agency - SANSA	Ms	Asanda	Sangoni
South African Sugarcane Research Institute - SASRI	Dr	Terry	Stanger
South African Weather Service - SAWS	Mr	Bernard	Petlane
South32 SA Holding (Pty) LTD	Mr	Kabelo	Mphake
Southern African Association for Research of Maths, Science and Technology & Education - SAARMSTE	Prof	Marissa	Rollnick
Southern African Institute of Mining and Metallurgy - SAIMM	Prof	Selo	Ndlovu
Stellenbosch University - SUN	Dr	Palesa	Mothapo
The Independent Institute of Education (Pty) Ltd	Dr	Bimo	Nkhata
Tshwane University of Technology - TUT	Dr	Lizzy	Monyatsi
Twenty20Science - T20S	Ms	Linda	De Waal
Universities South Africa - USAf	Prof	Stephanie	Burton
University of Fort Hare - UFH	Prof	Nthabiseng	Taole-Mjimba
University of Johannesburg - UJ	Dr	Ndivhuho	Luruli
UJ	Prof	Bettine	Jansen van Vuuren
University of KwaZulu-Natal - UKZN	Ms	Normah	Zondo
University of Limpopo - UL	Prof	Hlengani	Siweya
UL	Prof	Rachael Jesika	Singh
University of Limpopo Science Centre	Mr	Sandikle	Rikhotso
University of Limpopo Science Centre	Mrs	Annelize	Potgieter

Member organisation	Title	Name	Surname
University of Pretoria - UP	Prof	Chris	Chimimba
University of the Free State - UFS	Prof	Danie	Vermeulen
University of the Western Cape - UWC	Prof	Burtram	Fielding
University of the Witwatersrand	Prof	David	Everatt
Vaal University of Technology - VUT	Mr	Malan	Van Tonder
Water Institute of Southern Africa - WISA	Dr	TG	Barnard
WISA	Ms	Anita	Pillay
Water Research Commission - WRC	Dr	Mamohlosing	Tlhagale
WRC	Mr	Tiyane	Chauke
Zoological Society of South Africa - ZSSA	Prof	André	Ganswindt

**NSTF Exco and Directors**

Organisation	Title	Name	Surname
Exco Member from eGrain representing the Business Sector	Ms	Mariana	Purnell
NSTF Director/Exco Member	Mr	Denis	Hunt
NSTF Chairperson/Exco Member	Prof	Ali	Dhansay

**Awards Publicity Committee**

Organisation	Title	Name	Surname
NSTF Awards Committee	Mrs	Marie	Ashpole

**proSET Committee**

Organisation	Title	Name	Surname
proSET STEMulator	Mr	Richard	Gundersen
proSET Chairperson	Mr	David	Botha
proSET STEMulator	Dr	Gerda	Botha

**Awards Adjudication Panel**

Organisation	Title	Name	Surname
Green Gold Group (Pty) Ltd	Ms	Lebohang	Moiloa

**NSTF staff and service providers**

Ms Jansie Niehaus	NSTF
Ms Wilna Eksteen	NSTF
Mr Matome Mphela	NSTF
Ms Jane Mokgwatsane	NSTF
Ms Legogang Tebeila	NSTF
Ms Kgaugelo Pule	NSTF
Ms Kelegogile Galeboe	NSTF
Mr Barnard Manne	NSTF
Ms Nonsikelelo Nkwanyana	NSTF
Ms Seipati Moleleki	NSTF
Ms Itumeleng Ndlovu	NSTF

Ms Cynthia Malan

Write Connection CC

**APPENDX B: APOLOGIES**

<b>Member organisation</b>	<b>Name</b>	<b>Position</b>
Academy of Science of South Africa - ASSAf	Dr Tebogo Mabotha	Representative
Agricultural Business Chamber - Agbiz	Mr Wessel Lemmer	Alternate representative
Agritourism South Africa - ASA	Miss Jacqui Taylor	Representative
Black Science, Technology and Engineering Professionals - BSTEP	Dr Monnamme Tlotleng	Alternate representative
Chamber of Engineering Technology - CET	Mr Pat Moncur	Representative
Consulting Engineers South Africa - CESA	Mr Christopher Campbell	Representative
Council for Mineral Technology - Mintek	Ms Marian Manuel	Representative
Mintek	Dr Marian Lydall	Alternate representative
Department of Science and Innovation - DSI	Ms Gugulethu Zwane	Representative
DSI	Mr David Mmakola	Alternate representative
Design Biologix	Mrs Karen Nel	Representative
Durban University of Technology - DUT	Dr Linda Z Linganiso	Alternate representative
Econocom Foods - ECO	Mrs Rose Kransdorff	Representative
Econocom Foods - ECO	Mrs Kara Nolte	Representative
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The Lewis Foundation	Dr Peter Zacharias	Representative

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Ukuqonda Institute	Prof Piet Human	Alternate representative
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