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NSTF e-Newsletter

S.E.T. for socio-economic growth

Industrial revolutions and saving the planet

Message from the NSTF Executive Director, Ms Jansie Niehaus

Underlying all science and technology related discussions nowadays is a keen awareness of the Fourth Industrial Revolution (4IR). A 4IR Presidential Commission has been established to coordinate South Africa's response to the 4IR and develop a comprehensive strategy and plan. But are we really grappling with the major issues of 4IR? Due to the speed of the changes, legal and other measures should be put in place now, at the beginning phases of the roll-out of disruptive technologies. [Read the message.](#)

NSTF News

2018/2019 NSTF-South32 Award winners

The 2018/2019 Award [winners](#) were announced at a prestigious event, the 21st NSTF-South32 Awards [gala dinner](#), in Gauteng on Thursday, 27 June.

The theme for the evening was the '[Periodic Table of Chemical Elements](#)'. The [finalists](#)' and winners' outstanding contributions to science, engineering and technology (SET) and innovation were awarded and celebrated by over 600 guests representing over 60 different organisations from the broader South African SET and innovation community.

This year, the Lifetime Award went to Prof Robin Crewe, Senior Research Fellow: Centre for the Advancement of Scholarship, University of Pretoria. The Special Annual Theme Award was made for an outstanding contribution to SET and innovation, through work on materials for inclusive economic development (in recognition of the United Nations 'International Year of the Periodic Table of Chemical Elements'). The category winner was Prof Alexander Quandt, Acting Chair: [Materials for Energy Research Group](#); and Focus Area Coordinator: [Centre of Excellence in Strong Materials](#), Wits.

[Click here](#) to see the media release, which lists all the winners. Find your [photo](#) at the prestigious Awards gala dinner. The winners are featured in a [supplement](#) in the [Mail&Guardian](#), [Business Report](#) also featured [articles](#) on the winners and some of the finalists.

Don't despair if you missed the Awards Gala Dinner. See the [video clips](#) from the event on the NSTF YouTube channel.



SA Innovation Summit: Accelerator for the economy

Preparations are well under way for this year's [SA Innovation Summit](#), which will take place in Cape Town from 11-13 September. It is expected that more than 600 companies and organisations will be participating. The NSTF is a partner of the SA Innovation Summit (SAIS) since 2018.

The SAIS has provided tickets for certain [winners](#) of the NSTF-South32 Awards

Share 'n Dare programme achievements

The [NSTF Share 'n Dare programme](#) provides platforms for NSTF-South32 Award [winners](#) to act as [ambassadors](#) for science, engineering and technology (SET) and to show the innovations that flow from SET. Winners share knowledge with youth and communities, inspiring young people to pursue studies and [careers](#) in SET. This occurs in the year of the winners' reign.

Outcomes of the past round: Over a period of

to attend the Summit. These are the two winners in the Innovation Category and the NGO Award winner. We appreciate the gift to these winners who would benefit from participating in the Summit.

The NSTF will host a [Discussion Forum](#) at the SA Innovation Summit on **Advanced Manufacturing and Automation** in partnership with the NSTF [proSET](#) sector (Professionals in science, engineering and technology).

The SA Innovation Summit is a platform for nurturing, developing and showcasing African innovation, as well as facilitating innovation thought-leadership.

There are panel discussions, workshops and manifestos for policy change on the programme. Speakers will include Sandile Zungu, CEO of the Black Business Council; Michael van Straaten, CEO of Verimark; Dr Phil Mjwara, Director General: Department of Science and Technology; and Lionel October, Director General: Department of Trade and Industry.

Innovative technologies from South Africa, the African continent and the rest of the world will be on show. Competitions will include The Pitching Den and Inventor's Garage.

More information about the Summit and the NSTF's participation will be shared in the August issue of the NSTF eNews.

10 months (July 2018 to May 2019), the programme engaged and reached the following:

- Seven of the 15 award winners participated;
- 35 knowledge sharing talks reaching about 4,764 youth and the public (the majority was high school learners);
- Four science centres, two science cafes, three universities and five high schools;
- seven provinces;
- 14 award winners profiled in the NSTF eNews
- All activities were shared on the NSTF social media platforms and the [NSTF website](#) and almost 14 000 were reached on Facebook.

These activities are sponsored by the [Carl & Emily Fuchs Foundation](#).

Ms Fulufhelo Gelebe, who has been responsible for the Share 'n Dare programme, as well as media liaison for the past five years, is leaving the NSTF. We thank her for her contribution and wish her all the best for the future.

Benefits of NSTF membership and sponsorships

The NSTF is a [stakeholder forum](#) registered as a non-profit company (NPC). It represents more than 100 organisations in science, engineering and technology (SET) and innovation in South Africa. Its [membership](#) is limited to organisations and allows for collaborative effort and a unified voice.

Why join the NSTF?

It is more important than ever before in history to debate the linkages between science/technology and society, the various causes and effects, the unintended consequences, and whom it benefits. It is more important than ever to inform the public and promote understanding of these issues. The NSTF can ensure robust debate and encourage collaboration and communication across silos.

Benefits

Among the numerous benefits of [NSTF membership](#) is involvement with other organisations to engage with government [policy issues](#). The NSTF is a neutral platform and independent voice and a valuable asset to the National System of Innovation, recognised by Government collectively through the Department of Science and Technology.

Join the existing long-standing membership of the NSTF to further fulfil its potential to contribute to debate that moves society forward, and actions to improve our country and our world. [Click here](#) to apply for membership for an organisation. The modest annual NSTF membership [fee structure](#) is determined by the constituency (sector) applicable to the organisation.



Acknowledging Head Adjudicator of the NSTF-South32 Awards

Denis Hunt has been serving as the Head Adjudicator and Chair of the Adjudication Panel of the NSTF Awards since its inception in 1998. He has been leading, facilitating and overseeing the adjudication process for 21 years.

The NSTF Awards have sustained their credibility and grown over the years in prestige in the community of science and technology practitioners. This is largely due to the expertise, insight and hard work of Denis Hunt and the adjudication panel, who serve on a voluntary basis.

Bursary Directory

The following bursaries in science, engineering and technology (SET) are currently available in the [NSTF Bursary Directory](#):

- [IDC Bursary Programme](#) (Closes 31 July)
- [Transnet Bursary Scheme](#) (Closes 31 July)
- [Allan Gray Fellowship](#) (Closes 02 Aug)
- [Toyota SA Motors Bursary](#) (Closes 31 Aug)

The NSTF Chairman, NSTF Executive Committee/Board and NSTF secretariat, and on behalf of all the finalists and winners over the years, would like to express our gratitude for Denis's dedicated service in the interest of science, engineering, technology and innovation in South Africa. [Read more.](#)

Top matriculants in maths and science recognised

The NSTF [Brilliants Programme](#) annually recognises 18 first year students studying in the science, medicine and engineering fields. A young man and woman are chosen from each of the nine provinces. These top performers in physical science and mathematics in the National Senior Certificate Examinations of the previous year are identified by the Provincial Education Departments, and selected by the NSTF.

See [here](#) who this year's Brilliants students are.

The Brilliants group spent a day in the company of highly regarded scientists and top motivational speakers on 27 June, where after they attended the NSTF-South32 Awards gala dinner. View the [gallery](#).

They were treated to an astronomy tour, hosted by the [South African Astronomical Observatory](#) and the [South African Radio Astronomy Observatory](#). See the [video](#) of their experience.

The Brilliants Programme is sponsored by the [Carl and Emily Fuchs Foundation](#).

- [Harmony Gold Bursary Scheme](#)(Closes 31 Aug)

You will also find more information on SET careers, inspiring stories and career paths of people in SET on this [website](#).

This service is sponsored by the [Fuchs Foundation](#).

Getting to know our Awards winners: Prof Robin Crewe

The winner of the 2018/2019 NSTF-South32 [Lifetime Award](#) is Professor Robin Crewe, an internationally renowned researcher, educator and innovator. This award recognises the incredible work he has done on social insects and the extensive work he has put into uplifting the scientific community.

Crewe has taught and mentored students, lead two research groups, been the dean of natural science at two different universities, and the vice-principal for research and postgraduate studies at the [University of Pretoria](#).

Crewe has been involved with numerous institutions outside of the university and was the president of the Academy of Science of South Africa when it was beginning to grow and become established. He values the impact it had on advising government in a number of different areas and considers it one of the highlights of his career.

He had a distinguished career as an entomologist, dedicating his career to the study of social insects, particularly ants and honeybees. [Read more](#) about his work in the Mail&Guardian supplement.



Featured SET policy: Building a capable state (Chapter 13, NDP)

In a series of articles, the NSTF is unpacking the [National Development Plan \(NDP\) 2030](#), which aims to eliminate poverty and reduce inequality by 2030. This section focuses on building a capable state. [Read more](#).

Click here for the complete document of all the previous NSTF summaries of the NDP ([Chapters 1-13](#)).

SET-related policies currently open for public comment

Policies open for comment allow the science, engineering and technology (SET) community to keep track of the changing regulation environment.

- [National Water Act: Classes of water resource and resource quality objectives for the Berg Catchment](#) (Comment by 9 July 2019)
- [National Forests Act: Intention to declare State Forests Properties as Forest Nature Reserves under section 8\(1\) of the Act: Comments invited](#) (Comment by 12 July 2019)
- [Continuing Education and Training Act: Call for comments on the Draft Data Dictionary of Post-School Education and Training: Comments invited](#) (Comment by 21 July 2019)
- [Animal Diseases Act: African horse sickness: Comments invited](#) (Comment by 25 July 2019)
- [Electronic Communications Act: Applications: Transfer of an Individual Electronic Communications Service and Individual Electronic Communications Network Service Licences: Comments invited](#) (Comment by 29 July 2019)
- [Accounting Standards Board: Exposure Draft of the proposed Directive on The Application of Standards of GRAP by Public Entities that Apply IFRS Standards. Comments invited](#) (Comment by 31 July 2019)
- [Standards Act: Standards matters: Comments invited](#) (Comment by 18 August 2019)

- [Housing Act: Priority housing development areas](#) (Comment by 17 September 2019)
- [Animal Diseases Act: Proposed amendments to regulations under the Animal Diseases Act:](#) (Comments invited by 26 September 2019)
- [Allied Health Professions Act: Amendment of allied health professions regulations: Comments invited](#) (Comment by 28 September 2019)

SET-related policy news

Some articles included in the section below are opinion pieces. The opinions expressed in these articles do not necessarily reflect the views of the NSTF Executive Committee, Directors, Secretariat or Members.

Energy

- [Tackling energy shortage challenges in South Africa](#) (ee.co.za)
- [Will this be the multi-billion dollar deal that saves Eskom?](#) (fin24.com)
- [Africa's energy landscape transitions to base load-capable renewables](#) (ee.co.za)
- [South Africa working on new oil, gas policy to enable growth](#) (engineeringnews.co.za)

Medicine and health

- [Traditional birth attendants' contribution to healthcare should not be downplayed](#)(dst.gov.za)

Ethics

- [African scientists call for more control of their continent's genomic data](#) (nature.com)
- [Africa's science academy leads push for ethical data use](#) (nature.com)

Indigenous Knowledge

- [Ambiguity and red tape fears over SA's indigenous knowledge bill](#)(researchresearch.com)

Engineering and construction

- [Financing solution to assist infrastructure projects investment](#) (ee.co.za)
- [Consulting engineering remains under pressure](#) (engineeringnews.co.za)

4th Industrial Revolution and technology

- [Google to build a powerful new internet cable from Europe to South Africa](#)(businessinsider.co.za)
- [Anticipated effects of AI and 5G](#) (iafrican.com)

- [Big Tech's spying a threat to democracy](#) (iafrikan.com)
- [Non-profits need technology too](#) (itweb.co.za)
- [Pinky Kekana: 4IR must benefit South Africans](#) (itweb.co.za)

Education

- [Cyril Ramaphosa Foundation drives 4IR skills in schools](#) (itweb.co.za)
- [App to boost maths, science literacy](#) (itweb.co.za)



- Course: Discover Additive Manufacturing, presented by Hein Moller: Durban, 9 July 2019. [Book a seat.](#)
- Breakfast seminar: Additive Manufacturing – hype vs reality, presented by Hein Moller: Durban, 10 July 2019. [Book a seat.](#)
- [Women in tech and digital conference](#): Centurion, 10 July 2019
- [SA GeoTech 2019: Unlocking economic value with geotechnologies](#): Ekurhuleni, 22-23 July 2019
- [Species on the Move 2019 International Conference Series](#): Kruger National Park, South Africa, 22-26 July 2019
- [8th ExtrAfrica](#): Potchefstroom, 30 July - 2 August
- [Annual Malaria Research Conference](#): Pretoria, 31 July – 1 August 2019
- [International Palaeohistology Meeting 2019](#): Cape Town, 31 July – 4 August 2019
- The influence of Context/Environment and Psycho-graphics on Product Design and Evaluation: public lecture and dinner showcasing Indigenous and Local South African Ingredients, presented by Prof Meiselman: University of Pretoria, 7 August 2019. Contact gerrie.durand@up.ac.za for more information.
- [Getting acquainted with water resource management](#): Midrand, 22-23 August 2019

- [Establishing a viable gas sector](#): Sandton, 23 August 2019
- [Road to registration for mentors, supervisors and HR practitioners](#): Johannesburg, 27 August 2019
- [ICT Infrastructure Conference and Expo](#): Ekurhuleni, 28-29 August 2019
- [SAAFoST Congress 2019](#): Johannesburg, 1-4 September 2019
- [Road to registration for mentors, supervisors and HR practitioners](#): Cape Town, 3 September 2019
- [13th International Conference on Paleoceanography](#): Sydney, Australia, 2-6 September 2019
- [XVII International Triple Helix Conference](#): Cape Town, 9-11 September 2019
- [12th Annual SA Innovation Summit](#): Cape Town, 11-13 September 2019
- [Towards next-generation data-driven science: policies, practices and platforms](#); CODATA Conference, Beijing, 19-20 September 2019
- [8th World Conference on Ecological Restoration, South Africa](#): Cape Town, 24-28 September 2019
- [The International Society for Ecological Modelling Global Conference 2019](#): Salzburg, Austria, 1-5 October 2019
- [EduTECH Africa 2019](#): Johannesburg, 9-10 October 2019
- [International Conference on Financial Services: The Fourth Industrial Revolution](#) and Financial Services: Durban, 9-10 October 2019
- [Flexible power generation – a new paradigm](#): Sandton, 22 October 2019
- [Annual Young Scientists' Conference](#) – Theme: Migration, Displacement and Mobility in Africa: Complex Issues in Current Times' The Department of Science and Technology (DST), the Academy of Science of South Africa (ASSAf) and the South African Young Academy of Science (SAYAS) will be hosting the conference in Johannesburg, 28–29 October 2019.
- [Pan-African Health Informatics Conference \(HELINA\)](#): Gaborone, Botswana, 20-22 November 2019. This will run back to back with VizAfrica 2019 - a conference and symposium on Data Visualisation in collaboration with International Science Council's CODATA.
- [Establishing effective ICT infrastructure](#): Sandton, 26 November 2019
- [World Pulses Day](#): The Food and Agriculture Organization of the United Nations has established 10 February as World Pulses Day to recognise the importance of pulses as a global food. You can prepare to celebrate this day in 2020 and find many inspiring ideas by visiting the website of [World Pulses Day 2019](#).
- [Africa Energy Indaba: From Transformation to Transition](#): Cape Town, 3-4 March 2020

- The 7th World [Conference of Research Integrity](#) is to be hosted by UCT in 2020.



[Members](#) of NSTF in the [proSET](#) (Professional Societies) sector are featured in every newsletter. This month the **Association for Mathematics Education of South Africa**(AMESA) and the **Association of Science Technology Engineering Mathematics and Innovation** (ASTEMI) are profiled.

- [AMESA](#) is the professional association for mathematics education in South Africa. The organisation, founded in 1993, represents the interests of the discipline and its members at national and provincial level. The aims of the Association are, in general, to promote mathematics education and, in particular, to enhance the quality of the teaching and learning of mathematics in South Africa.

AMESA has organised structures in each of the nine provinces of South Africa. On their [website](#) you can learn more about the organisation, its activities, publications, how to become a member, and its governance. Here you will also receive the latest news about AMESA and mathematics education.

- [ASTEMI](#) is a collaboration that brings organisers of science, technology, engineering, mathematics and innovation (STEMI) Olympiads and competitions together with the aim to expand Olympiads and competitions to a broader base of learners and educators. It is a national, non-profit organisation of independent organisations; universities, teachers, public organisations and volunteers dedicated to improving and promoting science education and providing recognition for outstanding achievement by both learners and educators.

Olympiads and competitions have a positive impact on education and on educational institutions in South Africa, but there is still a need to build stronger collaboration in order to meet the challenges of STEM education in South Africa today. Read more about ASTEMI on the [website](#).

Additive Manufacturing in the spotlight

[Discover AM](#) is an additive manufacturing (AM) essentials course for all employees. This full-day course, presented by Dr Hein Moller, one of South Africa's leading AM experts will introduce delegates to the basic steps in each key process, real-world applications of AM, and categorise material types used in AM. The AM courses were developed by The Barnes Group Advisors.

There are two events in July:

- [Discover AM Course](#): Manufacturing in a new world – implications for South Africa, 9 July, TWIMS Campus, Durban; and
- [Breakfast seminar](#): Additive Manufacturing – hype vs reality, 10 July, TWIMS Campus, Durban.



Some articles included in the section below are opinion pieces. The opinions expressed in these articles do not necessarily reflect the views of the NSTF Executive Committee, Directors, Secretariat or Members.

Universities and higher education

- [How to complete your doctorate while serving in the Cabinet](#) (mg.co.za)
- [Higher education institutions need to face up to the future](#) (mg.co.za)
- [What universities can learn from one of science's biggest frauds](#) (nature.com)
- [SA students win world supercomputing competition once again](#) (wits.ac.za)
- [UJ's PEETS lauded for connecting academia and industry to grow green economy](#)(uj.ac.za)

Science Councils and Statutory Organisations

- [For sale: The CSIR is selling business licences for cool tech products - including an anti-landmine boot and a cheap ultrasound machine](#) (businessinsider.co.za)

Data

- Data professionals and researchers from all disciplines and from across the globe convened for International Data Week Conference IDW 2018, held from 5-8 November 2018 in Gaborone, Botswana. The theme of this landmark event was 'Digital Frontiers of Global Science'. [International Data Week](#) comprised [SciDataCon](#), a conference for research and practice papers addressing all aspects of data in research. For reports on the conference, click [here](#).

Medicine and health

- [SAPRIN releases its first population dataset to track South Africans' health and wellbeing](#) (saprin.mrc.ac.za)
- [Africa needs to up its research game to fight non-communicable diseases](#)(theconversation.com)
- [Could an implant the size of a match stick save teenage girls from HIV? Find out.](#)(bhekisisa.org)
- [Multimillion rand boost for Africa medicines research](#) (uct.ac.za)
- [South Africa should learn from Brazil about how to tackle 'hidden hunger'](#)(theconversation.com)
- [Attitudes to gender and sexual diversity: changing global trends](#)(theconversation.com)

Astronomy and space science

- [An astronomical breakthrough has been made, and it may help us understand the evolution of the universe](#) (dailymaverick.co.za)
- [SA grows capacity in space weather monitoring for global aviation sector](#)(sansa.org.za)

Palaeontology, archaeology and anthropology

- [Scientists Find First Evidence of Humans Cooking Starches](#) (sapiens.org)
- [Cultivating the next great palaeoanthropologist](#) (uct.ac.za)
- [Meteorite Vredefort impact could have led to extinction of man – SA scientists](#)(citizen.co.za)

Environment, climate change and energy

Environment

- [Protecting Coral Reefs in a Deteriorating Environment](#) (nationalacademies.org)
- [Plastic SA calls on all revenue made from levies on supermarket plastic bags to be used for recycling](#) (infrastructurenews.co.za)
- [Building an inclusive circular economy: Recycling with reclaimers](#) (wits.ac.za)

- [Jeffreys Bay is set to become home to the first “plastic road” in SA](http://infrastructurenews.co.za)(infrastructurenews.co.za)
- [Cape Town now has more animal, plant species than any other city in the world – 1,500 more than its nearest competitor](http://businessinsider.co.za) (businessinsider.co.za)
- [The Cape’s plants are dying out – and local authorities need citizens’ help](http://groundup.org.za)(groundup.org.za)
- [Robben Island joins list of 20 new protected marine sites in South Africa](http://theconversation.com)(theconversation.com)
- [World’s largest plant survey reveals alarming extinction rate](http://nature.com) (nature.com)
- [Botswana has an elephant poaching problem, not an overpopulation problem](http://theconversation.com)(theconversation.com)
- [Pharmaceuticals and industrial chemicals found in fish caught off Cape Town’s coast](http://groundup.org)(groundup.org)

Climate change

- [Climate change and global economic inequality](http://pnas.org) (pnas.org)
- [Hot birds in trouble](http://uct.co.za) (uct.co.za)
- [UP scientists warn southern Africa will lose much of its desert bird life in coming decades](http://up.ac.za) (up.ac.za)

Energy

- [Impacts and health effects of air pollution by Eskom, Sasol Synfuels and Natref](http://ee.co.za)(ee.co.za)
- [UJ scientist Prof Kaushik Mallick explores nanotechnology and the potential to harvest pollution-free energy](http://uj.ac.za) (uj.ac.za)

Agriculture

- [Extreme weather is shaking up Africa's corn trade](http://engineeringnews.co.za) (engineeringnews.co.za)

Marine Biology

- [Preparing to launch: biologging reveals the dynamics of white shark breaching behaviour](http://springer.com) (springer.com)

Engineering

- [South African medicine dispensing system wins Africa Prize for Engineering Innovation](http://engineeringnews.co.za) (engineeringnews.co.za)
- [Wits launches first solar district heating system in South Africa](http://engineeringnews.co.za)(engineeringnews.co.za)
- [WBHO says skilled staff are emigrating](http://inceconnect.co.za) (inceconnect.co.za)

Technology and the 4th Industrial Revolution

- [South Africa takes a quantum leap and joins the race](#) (wits.ac.za)
- [CERN ditches Microsoft for open source](#) (itweb.co.za)
- [Improving Digital Literacy in the Workplace](#) (technewsworld.com)
- [Mobile data prices – South Africa vs The World](#) (mybroadband.co.za)
- [SA millennials fear impact of Industry 4.0 on jobs](#) (itweb.co.za)
- [The Digital Explosive Technology in the 4th Industrial Revolution in the African Context](#). Webinar held on 12 June, 2019 at the 4th global webinar by YESS-PAUWES
- [Youth urged to seize 4IR opportunities](#) (sanews.gov.za)
- [Africa cannot afford to take the back seat in one of the most important pursuits of modern science](#) (wits.ac.za)
- [Youth Leadership in the fourth industrial revolution](#) (uj.ac.za)

Science advancement

- [What scientists can expect when dabbling in science writing](#) (nature.com)
- [Building the next generation of young scientists and learners in Mamelodi](#)(assaf.co.za)
- [Girl Geek Summit promises girl power](#) (itweb.co.za)

Opportunities

- **Future Professors Programme:** This call announces a competitive, selective and transformative programme of the Department of Higher Education and Training to prepare promising and productive early career academics to become a new cohort of South African professors. Candidates will ideally be lecturers or senior lecturers in possession of a doctorate and who have already been able to demonstrate significant academic achievement beyond the doctoral degree. Candidates can apply via their university Vice-Chancellor's office or its designated authority. The university in turn will nominate up to five candidates for possible selection. The programme commences in January 2020 and is open to all academics with the emphasis on black and women scholars. Deadline for submissions: 15 July 2019.
- ANDZA Entrepreneur Competition: [SA's top start-ups to compete for R10m in investment funding & acceleration](#). Entries close on 19 July 2019.
- The DST-CSIR Nanomaterials Industrial Development Facility invites Expressions of Interest focusing on technologies/solutions that will lead to a competitive #chemical and #polymer #industry in SA. Closing date: Wednesday, 24 July 2019.



- [Six Female Young Scientists introduced to the Lindau Nobel Laureate Meeting](#)([assaf.co.za](#))
- [Mkhwanazi \(NSTF Ukhozi Awardee\) appointed EOH chairperson](#)([engineeringnews.co.za](#))
- [ASSAf and SAYAS Members nominated for NSTF-South32 Top Achievers](#)([assaf.co.za](#))
- [UKZN appoints Professor Nana Poku as Vice-Chancellor and Principal](#) ([ukzn.ac.za](#))

Please forward this e-mail to your colleagues, business contacts and all interested persons!

Send us your news

The NSTF invites all our members, as well as all SET and innovation role players, to send us information on meetings, conferences and activities of interest to the broader S&T community. Please send us your news by the 20th of the month, for distribution at the beginning of the following month, to enquiries@nstf.org.za

Feedback

If you have any comments or suggestions on how we can improve this newsletter, please e-mail the NSTF Secretariat at enquiries@nstf.org.za

About the NSTF

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

The [NSTF-South32 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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