



Message from NSTF Executive Director

Winners in Month 2017 - featuring 10 women in science August is Women's Month, so the National Science and Technology Forum (NSTF) calls attention to 10 outstanding women scientists who were crowned at the NSTF-South32 Awards or 'Science Oscars'. These awards showcase the research and development capacity of our nation. The excellence of the winners in science, engineering and technology (SET) and innovation brings hope for the advancement of our country and the social upliftment of all people in South Africa. [Read more.](#)



NSTF News

Science and Sustainable Tourism: 3-4 August 2017, Kempton Park, Gauteng

The NSTF is hosting a national Discussion Forum on Science and Sustainable Tourism (#ScienceTourism). SET and Innovation are part of the solution to environmental sustainability - which is fundamentally linked to tourism.

Sustainable tourism crosses over into many science-related fields. from the green economy and environmental protection to astro tourism.

Attend the Discussion Forum to raise SET issues that impact on tourism policy. Click here to [register](#). This is a FREE event for all employees of NSTF member organisations and individual members. It is aligned with [#12017](#).

Upcoming Discussion Forums

The Sustainable Development Goals (SDGs), in collaboration with the Science Councils sector.

This is scheduled for 4-5 September 2017. Look out for an invite in early August 2017. Topics will look at: The importance of R&D for attaining the SDGs; ways publicly-funded institutions contribute to reaching the SDGs, and the relation between institutional research strategies and the SDGs.

Bursary Directory

The latest SET bursary is from [Anglo Ashanti Gold](#). Recently-added bursaries include those from:

- SA SKA Doctoral and Masters Bursary Programme
- South African Square Kilometre Array Bursary Programme (undergraduate)
- Eskom Bursary Scheme
- SAICE Patrons' Engineering Bursary Scheme
- Hatch Bursary Program

Language Issues in School Education taking place on 3-4 October 2017.

If there are specific organisations and individuals who wish to present, please apply to Ms Wilna Eksteen at enquiries@nstf.co.za. The event takes place during the school holidays - all educators are welcome to attend (for free).

Visit the [NSTF Bursary Directory](#) to find information on available bursaries, the different [SET careers](#), and [inspiring stories](#) of people in SET. The Bursary Directory is sponsored by the [Fuchs Foundation](#).

July Share 'n Dare activities

Activities: Winners from the 2015/2016 NSTF-South32 Awards have been sharing science, engineering and technology with youth around the country. In July 2017, Prof Bhekis Mamba was on Radio 2000 on 4 July 2017, [Ikweswezi FM on 12 July 2017](#) and [SAFM on 7 July 2017](#). To see upcoming activities, [click here](#).

Mzansi Bright Sparks

Learn more about [Bronson Rudner](#) who is studying BSc (Mathematics, Physics and Applied Maths) at the University of Cape Town.

He is one of the group of first-year students who were recognised in the [2016/2017 NSTF Briliants Programme](#) for top marks in mathematics and physical science in the National Senior Certificate Examinations.

Collaborate with the NSTF: Organisations that would like to collaborate on outreach with the [Share 'n Dare programme](#) - and have an [NSTF Award winner](#) speak to their staff/audience/community - please contact Ms Fufuhelo Gelebe on enquiries@nstf.co.za.

The NSTF Share 'n Dare programme is sponsored by the [Fuchs Foundation](#).

Getting to know our award winners: Prof Melville Saayman

Prof Melville Saayman is research director of Tourism Research in Economic Environments and Society (Trees) at North West University. A key area is determining how tourism makes a contribution to people's lives. He won the 2016/2017 [Special Award for Sustainable Tourism for Development](#). [Read more.](#) Join the [Science and Sustainable Tourism Discussion Forum](#)

to hear his talk on nature-based tourism and a framework for socio-economic research.

New NSTF members

The NSTF would like to welcome its new members:

- [Agricultural Economics Association of SA \(AEASA\)](#) in the [proSET \(Professional Sciences\) sector](#)
- [Black Women in Science \(BWiS\)](#) in the [civil society/NGO sector](#)



Featured SET policy: Part 2 - The National Development Plan (NDP) and the developmental state

In a series of articles, the NSTF is unpacking the NDP. Part 2 looks at factors for creating a successful developmental state and the developmental framework. [Read more.](#)

Other SET-related policies currently open for public comment

Mining

- [Mineral and Petroleum Resources Development Act: Restriction of granting of new applications for prospecting and mining rights](#) (Comment by Friday, August 4, 2017)

Education

- [National Education Policy Act: National Policy pertaining to Programme and Promotion Requirements of National Curriculum Statement Grades R-12: Amendment](#) (Comment by Saturday, August 5, 2017)
- [South African Schools Act: Regulations, National Curriculum Statement Grades R-12, Repeal of proviso on compulsory offering of accounting with mathematics](#) (Comment by Saturday, August 5, 2017)

Environment

- [National Environmental Management Act: Regulations, Phase-out use of persistent organic pollutants](#) (Comment by Wednesday, August 30, 2017)
- [National Forests Act: Proposed list of particular trees and particular groups of trees, 'champion trees'](#) (Comment by Wednesday, August 30, 2017)
- [National Water Act: Mine Water Management Policy: Correction](#) (Comment by Thursday, September 14, 2017) Related links: [Draft Mine Water Management Policy for public comments](#)

Medical

- [Choice on Termination of Pregnancy Amendment Bill: Draft](#) (Comment by Wednesday, August 9, 2017)

Agriculture

- [Plant Breeders' Rights Act: Receipt of applications for plant breeders' rights](#) (Comment by Friday, October 13, 2017)

SET-related policy news

Medicine and health

- [Release of the policy document on the National Health Insurance \(NHI\), after its approval by the Cabinet on the 21st June 2017.](#) Also read [National Health Act: National Health Insurance Policy: Towards universal health coverage](#) (gov.za)
- [South Africa calls on world leaders to prioritise TB globally](#) (SABC)
- [Child treated for HIV at birth is healthy nine years on without further treatment](#) (The Guardian)
- [More than half of people with HIV now on antiretrovirals](#) (health24) - UNAIDS report

Environment

- [Environmental Affairs on the threat of invasive plants and fire to South Africa's biodiversity](#) (gov.za)
- [Minister Tokozile Xasa on launch of Comprehensive Maritime Transport Policy.](#) Also read [Comprehensive Maritime Transport Policy](#) (gov.za)
- [SA join forces with EU and Brazil on ocean research](#) (dst.gov.za)
- [Report investigates climate change science and technology](#) (South African Council for Natural Scientific Professions)
- [The battle for free knowledge](#) (fin24) - open data, science and IP
- [Minister Edna Molewa: Integrated Strategic Management of Rhinoceros](#) (gov.za)

Energy

- [Eastern Cape woman's geyser sleeve reduces power consumption](#) (Fin24)

Agriculture

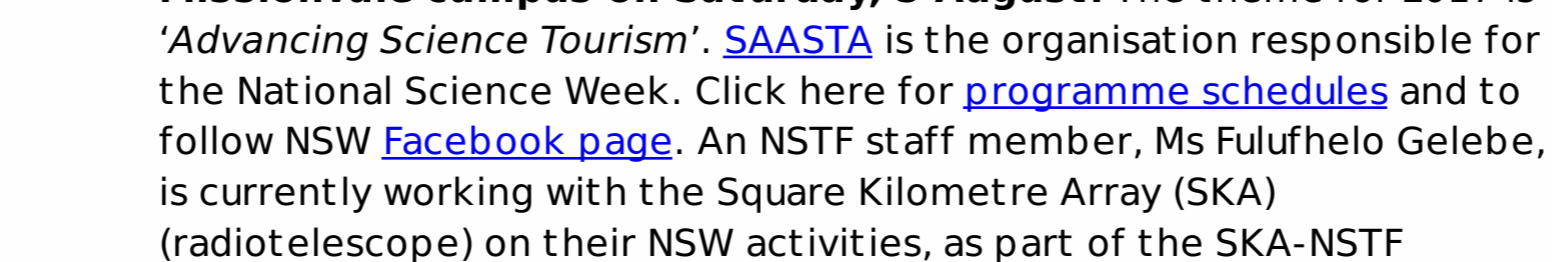
- [CSIR develops a cost-effective platform to inspect and monitor horticultural crops on local farms.](#) (CSIR)



Upcoming SET Events

- [National Science Week 2017:](#) national, starting 5 August 2017
- [The National Science Week \(NSW\) 2017 national launch event will be hosted by Nelson Mandela Metropolitan University Missionvale campus on Saturday, 5 August.](#) The theme for 2017 is 'Advancing Science Tourism'. SAASTA is the organisation responsible for the National Science Week. Click here for [programme schedules](#) and to follow NSW [facebook page](#). An NSTF staff member, Ms Fufuhelo Gelebe, is currently working with the Square Kilometre Array (SKA) (radiotelescope) on their NSW activities, as part of the SKA-NSTF collaboration this year.

- [2017 International Biometric Society \(IBS\) Sub-Saharan African Network \(SSAN\) Conference:](#) Lilongwe, Malawi from 22nd to 25th August 2017 under the theme "Biostatistics in the era of big data".
- [The Public Health Association of South Africa \(PHASA\) 13th annual conference:](#) Gauteng, 4-7 September 2017
- [Global Evidence Summit:](#) Cape Town, 13-16 September 2017
- [3rd National Conference on Global Change 2016:](#) UKZN, online registration open 1 Sep. Abstract submissions close 30 Sep
- [55th National Congress of the South African Association of Physicists in Medicine and Biology:](#) Durban, 25-30 September 2017
- [66th Association of Municipal Electricity Utilities \(AMEU\) Convention 2017:](#) Port Elizabeth, 8-11 October 2017
- [International Open Access Week:](#) 23 October 2017 - 27 October 2017
- [2017 IMESA Conference Sustainable engineering - back to basics for the future:](#) Gauteng, 25 to 27 October 2017 (Institute of Municipal Engineering)
- [Africa Oil Week:](#) oil and gas conference: Cape Town, 23-27 October 2017
- [3rd Malaria Research Conference 2017 - Malaria Elimination in Southern Africa: Priorities and Challenges:](#) Johannesburg, South Africa, 7 - 9 November 2017
- [Science Centre World Summit 2017 \(SCWS2017\):](#) Tokyo, Japan, 15-17 November 2017
- [SA Energy Storage 2017:](#) Ekurhuleni, 28-29 November 2017
- [UNESCO Merck Africa Research Summit - MARS 2017 - Call for Applications:](#) Mauritius, 28-29 November 2017
- [Science Forum South Africa:](#) Pretoria, 7 - 8 December 2017



proSET News

- "The COET Council decided to support the South African Institute of Civil Engineers (SAICE) in their forthcoming court case against the Engineering Council of South Africa (ECSA). Some 15 organisations have given donations to SAICE for this matter." - Chamber of Engineering Technology [newsletter](#) (July 2017) from the [Chamber of Engineering Technology](#)

- "The CESA Aon Engineering Excellence Awards will be held on the 16th August 2017 at Vodacom World, in Midrand... (The awards) showcase the extent to which local built-environment professionals provide the best in engineering expertise." - [Press release](#) from the [Consulting Engineers South Africa](#)

- Information on [maths materials for school teachers](#) is highlighted here - the new [DONE website](#) - [Latest news](#) from the Southern African Association for Research in Mathematics, Science and Technology Education (SAAMSTe). If you use any of these materials in your classroom, let NSTF know what you think on Facebook: [National Science and Technology Forum](#)



SET Community News

Universities

- [Tshwane University of Technology launches new geomatics degree](#) (ee publishers)
- [Doctoral Training Agreement Between South Africa and the Netherlands](#) (naci.org)

Industry development

- [Planet Earth Institute launches the PEI exChange, the first online matching platform for African development](#) (Africa Newroom)
- [Global Young Academy: Call for new members](#) (IAP, global network of science academics)
- [SA and Namibia to collaborate on producing national science, technology and innovation indicators](#) (HSRC)

Civil society

- ['Global Emergency' in Civil Society, Says Report](#) (ngopulse)

Medicine

- [Interceptor® G2 is the first WHO-recommended mosquito net based on non-pyrethroid chemistry to beat insecticide-resistant mosquitoes](#) (Africa Newroom)
- [Scales tip in AIDS fight as death rates decline, treatment rates rise](#) (polity.org)
- [Cost of diabetes care in Africa could triple by 2030](#) (scidevet)
- [Adopt ICTs effectively for health delivery in Africa](#) (The Conversation)
- [Hypertension, the silent killer spreading across Africa](#) (The Conversation)

Engineering

- [Consulting engineers survey reveals industry slow-down](#) (ee publishers)

Space science

- [SKA project reaches new milestone](#) (TechCentral) - The Ghanaian and South African governments announced the combination of 'first light' science observations
- [SKA, CERN ink massive big data deal](#) (ITWeb)
- [Earth observation joins the service economy](#) (ee publishers)
- [SA space agency joins BRICS Remote Sensing Satellite Constellation](#) (ee publishers)
- [Ghana and South Africa celebrate first success of African network of telescopes](#) (dst.gov.za)

Environment, climate change and energy

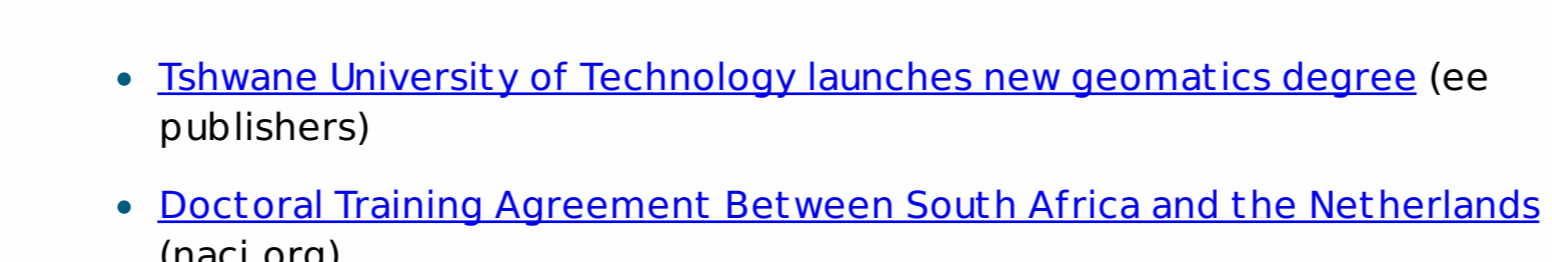
- [Volvo to stop making fuel-only cars](#) (TechCentral)
- [Is SA to blame for its lack of access to e-waste?](#) (infrastructure.ws)
- [Waste-to-energy is way forward for SA's waste sector](#) (infrastructure.ws)
- [Metal packaging industry maximises on its recycling efforts](#) (infrastructure.ws)
- [Opinion: Another look at South Africa's electricity generating options](#) (Engineering News)
- [Explainer: unpacking the issues around fracking in South Africa](#) (The Conversation)
- [South Africa should sort out the bad from the really bad on its invasive species list](#) (The Conversation)
- [How badly implement of land reform can affect wildlife: a Zimbabwean case study](#) (The Conversation)
- [Study suggests climate change may kill off the aardvark in some areas](#) (Phys.org)
- [Scientists come up with innovative ways to save endangered plant](#) (SABC)

Language

- [Why do human beings speak so many languages?](#) (Phys.org)

Paleontology

- [More than 252 million years ago, mammal ancestors became warm-blooded to survive mass extinction](#) (The Conversation)



People in SET

- [South African science boffins to compete internationally](#) (dst.org.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 enquires@nstf.co.za

Feedback

If you have any comments or suggestions on how we can improve this newsletter, please e-mail the NSTF Secretariat at enquires@nstf.co.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 business page provides information on bursaries and bursary providers for science, engineering and related studies.

Disclaimer

This NSTF is a clinical or 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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