

SFSA2018 DRAFT PROGRAMME

As at: 10 December 2018

12/12	Pre-Opening Session Rembrandt Hall, Hillcrest Campus, Sports Campus
12/12 13:00 – 13:45:00	MeerKat Reaching New Frontiers Through Radio Astronomy Speakers: <u>Dr Sharmila Goedhart</u> , South African Radio Astronomy Organisation <u>Dr Sphehile Makhathini</u> , South African Radio Astronomy Organisation <u>Mr Khutso Ngoasheng</u> , South African Radio Astronomy Organisation <u>Ms Isabella Rammala</u> , South African Radio Astronomy Organisation
12/12 13:45 – 14:00	Team South Africa - Robotics: Kids between the ages of 14-18, with a passion for STEM. They represented South Africa at The Robotics Olympics in August in Mexico City. Team SA were ranked 6th in the world. They also won gold for the Walt Disney Award for innovation and creativity.
12/12 14:00 – 14:05	Programme Director: <u>Dr Phil Mjwara</u> , Department of Science and Technology South African Anthem & African Anthem
12/12 14:05 – 14:10	Welcome to the University of Pretoria <u>Prof Cheryl de la Rey</u> , Vice-Chancellor University of Pretoria
12/12 14:10 – 14:25	Welcome Address by Forum Host: <u>Ms Mmamoloko Kubayi-Ngubane</u> , Minister of Science and Technology
12/12 14:25 – 14:35	Address from African Union: <u>Prof Sarah Anyang Agbor</u> , AU Commissioner for Human Resources, Science and Technology
12/12 14:35 – 14:45	Address by Special Guest: <u>Dr Sorena Sattari</u> , Iranian Vice President for Science and Technology
12/12 14:45 – 15:10	Science Forum South Africa 2018 Keynote Address:
12/12 15:10 – 15:30	SFSA Lecture: Igniting Conversations About Science: Africa and the Fourth Industrial Revolution <u>Prof Tshilidzi Marwala</u> , University of Johannesburg
12/12 15:30 – 16:05	Messages of Support From Partners: <u>Prof Felix Dapare Dakora</u> , President of The African Academy of Sciences <u>Prof Daya Reddy</u> , President of the International Science Council <u>Dr Flavia Schlegel</u> , Assistant Director-General, UNESCO <u>Dr Vladimir Sucha</u> , Director-General of the European Commission's Joint Research Centre <u>Ms Keabetswe Ncube</u> , South African Ambassador for the Next Einstein Initiative
12/12 16:05 – 16:15	Launch of the Calestous Juma Executive Dialogue on Emerging Technologies (CJEDIT) by the NEPAD Planning and Coordinating Agency and the African Union High Level Panel on Emerging Technologies (APET) <u>Prof Gassama Yaye Kene</u> , African Union Commission High level Panel on Emerging Technologies
12/12 16:15 – 16:30	Comfort Break
12/12 16:30 – 16:50	Standardising the African Funding Landscape <u>Dr Michael Kilpatrick</u> , The African Academy of Sciences <u>Ms Carine Kades</u> , Fondation Congolaise pour la Recherche Médicale <u>Mr Shakiru Babatunde Kadiri</u> , Nigerian Institute of Medical Research
12/12 16:50 – 18:00	High-Level Opening Panel Discussion: <i>New Approaches to Research Innovation Financing in Africa</i> Moderator: <u>Ms Juliette Mutheu-Asego</u> , The African Academy of Sciences Panellists: <u>Prof Louise Fresco</u> , Wageningen University and Research <u>Prof Ameena Gurib-Fakim</u> , The AGF Foundation <u>Prof Nelson Torto</u> , The African Academy of Sciences <u>Mr Naser Faruqi</u> , International Development Research Centre
12/12 18:00 – 19:30	DRINKS / SNACKS

TIME	DIAMOND	RUBY	EMERALD	AMBER 1	AMBER 2	JADE	ALBERT LUTHULI	TIYO SOGA	CRYSTAL	ONYX
13/12 6:00 – 08:30	Pre-Round 1 Sessions CSIR ICC									
13/12 6:00 – 08:30				Science Diplomacy in Practice – Bridging the European and African Continents Moderator: <u>Ms Sakina Kamwendo</u> , Morning Live Speakers: <u>Ms Mmamoloko Kubayi-Ngubane</u> , Minister of Science and Technology <u>Dr Daphne Bitalo</u> , National Coffee Research Institute <u>Mr Mauro Giacca</u> , International Centre for Genetic Engineering and Biotechnology <u>Mr Frithjof Maennel</u> , Federal Ministry of Education and Research <u>Dr Flavia Schlegel</u> , UNESCO						
13/12 9:00 – 10:30	Round 1 Sessions CSIR ICC and NRF									
13/12 9:00 – 10:30	Smart Specialisation, Empowering Local Communities to Shape Innovation-Led Socio-Economic Transformation Agendas Moderator: <u>Mr Alessandro Rainoldi</u> , European Commission – Joint Research Centre Panellists: <u>Prof Erika Kraemer-Mbula</u> , University of Johannesburg <u>Ms Sol Luca de Tena</u> , Independent Consultant <u>Ms Gloria Marmolejo Jaramillo</u> , State Council of Science and Technology of Colima <u>Mr Manasse Mbonye</u> , Rwanda Academy of Sciences <u>Ms Shirleen Titus</u> , Society of Industrial and Organisational Psychologists of South Africa	Science Diplomacy Contributing to Africa's Development Moderator: <u>Mr Joseph Senona</u> , Department of Science and Technology Panellists: <u>Prof Felix Dapare Dakora</u> , The African Academy of Science <u>Dr Aldo Stroebe</u> , National Research Foundation <u>Dr Amitava Bandopadhyay</u> , NAM S&T Centre <u>Mr Robert-Jan Smits</u> , European Commission	MeerKAT and SKA: Advancing Development in Africa Through Innovation in Radio Astronomy Moderator: <u>Mr Alex Bassios</u> , Peralex <u>Mr Benjamin Hlophe</u> , Kutleng Engineering Technologies <u>Ms Kechil Kirkham</u> , Space Advisory Company <u>Mr Khutso Ngoasheng</u> , South African Radio Astronomy Organisation	The Fourth Industrial Revolution in the Context of Developing Countries Moderator: <u>Prof Wikus van Niekerk</u> , South African Academy of Engineering Panellists: <u>Dr Reabetswe Kgoroadira</u> , Beryl Holdings <u>Dr Vukosi Marivate</u> , University of Pretoria <u>Dr Gustav Rohde</u> , Aurecon Group	Strategies for Adopting Emerging Technologies in Africa Moderator: <u>Prof Diran Makinde</u> , New Partnership for Africa's Development Panellists: <u>Prof Berhanu Abegaz</u> , Agricultural Research Center <u>Dr Rachel Chikwamba</u> , African Union Panel on Emerging Technologies <u>Prof Roseanne Diab</u> , Academy of Science of South Africa <u>Ms Barbara Glover</u> , New Partnership for Africa's Development <u>Prof Oye Ibidapo-Obe</u> , Federal University Ndufu Alike Ikwo Ebonyi State	Science Communication for Policy Engagement Moderator: <u>Dr Tshiamo Motshegwa</u> , University of Botswana Panellists: <u>Mr James Azam</u> , University of Stellenbosch <u>Dr Alexander Kipronoh</u> , Kenya Agricultural and Livestock Research Organisation <u>Dr Vanessa McBride</u> , IAU Office of Astronomy for Development <u>Mr Samson Mutunga</u> , University of Nairobi <u>Ms Miriam Nyamai</u> , University of Cape Town <u>Mr Emmanuel Ocran</u> , University of Cape Town <u>Mr John Wade-Smith</u> , UK Foreign and Commonwealth Office	Harnessing SEM to Address Africa's Challenges: An Academies' Perspective Moderator: <u>Dr Tracey Elliott</u> , InterAcademy Partnership Panellists: <u>Dr Connie Nshemereirwe</u> , Global Young Academy <u>Mrs Jackie Olang-Kado</u> , Network of African Science Academies <u>Prof Himla Soodyall</u> , InterAcademy Partnership <u>Dr Teresa Stoepler</u> , IAP-Research	Synergising Innovation Institutions for Water Security Moderator: <u>Ms Shanna Nienaber</u> , Water Research Commission Panellists: <u>Dr Henry Roman</u> , Department of Science and Technology <u>Mr Dayanandan Naidoo</u> , Technology Innovation Agency <u>Mr Thabo Mthombeni</u> , Water Research Commission <u>Ms Gracia Munganga</u> , Climate Innovation Centre	09:00 – Wise Policies and Investment: Evidence Use in Decision-Making Speaker: <u>Prof John Mugabe</u> , University of Pretoria <u>Dr Jonah Ratsimbazafy</u> , Groupe d'Etude et de Recherche sur les Primates de Madagascar 09:30 – Smart Cities Technologies Demonstration Environment Speaker: <u>Dr Rodolfo Saboia Souza</u> , Inmetro – Brazilian NMI 10:00 – Metrofarming for Urban Production Speakers: <u>Mrs Samkelisiwe Chunda</u> , Sibayeni Youth Environmental Center <u>Mrs Andiswa Sibanda</u> , Sibayeni Youth Environmental Center	09:00 – Creative and Digital Economy: A New Fusion for Innovation Speakers: <u>Dr Kevin Kativu</u> , Nelson Mandela University <u>Mr Loic Ndamé</u> , Nelson Mandela University 09:30 – Data Science Transforming Society Speaker: <u>Prof Colin Wright</u> , University of Witwatersrand 10:00 – Dancing with Change – Leading and Facilitating Change During Disruption Speaker: <u>Ms Natasha Winkler-Titus</u> , Society for Industrial & Organisational Psychology South Africa
13/12 10:30 – 11:00	EXHIBITIONS / NETWORKING / DRINKS / SNACKS									

Round 2 Sessions CSIR ICC and NRF										
TIME	DIAMOND	RUBY	EMERALD	AMBER 1	AMBER 2	JADE	ALBERT LUTHULI	TIYO SOGA	CRYSTAL	ONYX
13/12 11:00 – 12:30	<p>Relevance of Open Data Towards a Sustainable Environment</p> <p>Moderator: Mrs Susan Veldsman, Academy of Science of South Africa</p> <p>Panellists: Ms Eiman Karar, United Nations Environmental Programme Dr Mohammed El-Hadidi, Nile University Ms Suzanne Smit, University of Stellenbosch</p>	<p>Sex, Drugs and R&D: finding Africa's Harm Reduction Balance</p> <p>Moderator: Mr Christophe Bourillon, World Federation of Science Journalists</p> <p>Panellists: Prof Quarraisha Abdool Karim, UNAIDS Prof Michel Kazatchkine, Global Commission on Drug Policy Prof Solly Ratamaene, Sefako Makgatho Health Science University Mr Shaun Shelly, TBHIVCARE</p>	<p>Perspectives On Intellectual Liberation: Crucial Questions About Knowledge and its Production and Consumption</p> <p>Moderator: Prof Narnia Bohler-Muller, Human Science Research Council</p> <p>Panellists: Dr Hester du Plessis, Human Science Research Council Mr Frank Lekaba, African Institute of South Africa Prof Gauhar Raza, National Institute of Science Communication and Information Prof Vasu Reddy, University of Pretoria Prof Karin van Marle, University of Pretoria</p>	<p>Harnessing the 4th Industrial Revolution to Advance the SDGs in Africa</p> <p>Moderator: Prof Stephanie Burton, University of Pretoria</p> <p>Panellists: Mr Chris Akiwumi, Microsoft Prof Brian Armstrong, University of the Witwatersrand Prof Nelishia Pillay, University of Pretoria Mr Msingathi Sipuka, United Nations</p>	<p>Connecting Africa's Innovation Labs: ICT Transforming Society</p> <p>Moderator: Mr Akhona Damane, Council for Science and Industrial Research</p> <p>Panellists: Ms Patience Abraham, Buni Hub Ms Sina Legong, mLab South Africa Ms Lorna Mutegi-Kamau, iLab Africa Mr Brandon Paschal, LaunchLab</p>	<p>FameLab – SFSA Heat</p> <p>FameLab's core focus is to develop communication skills, but it also provides a platform to share stories about world-class South African research. This session will host a heat of this global science communication competition.</p>	<p>The Role of National Science Academies in Supporting the Implementation of SDGs</p> <p>Moderator: Ms Gail Wrogemann, GCW Consulting</p> <p>Panellists: Dr Max Paoli, The World Academy of Sciences Prof Roseanne Diab, Academy of Science of South Africa Mrs Jackie Olang-Kado, The Network of African Science Academies Prof Nelson Torto, The African Academy of Sciences</p>	<p>The Food-Energy-Water Nexus Approach and Its Implications to Policies and Practices</p> <p>Moderator: Dr Mercy Ojoyi, University of Pretoria</p> <p>Panellists: Dr Inga Jacobs-Mata, Beijing Association of Science and Technology Dr Kidanemariam Jembere Tiruneh, Global Water Partnership Ms Ndoni Mgunu, University of Witwatersrand Dr Jean-Marc Mwenge Kahinda, Beijing Association of Science and Technology</p>	<p>11:00 – A New Research Triangle: Universities Working Together to Establish an African Centre of Excellence in Educational Research</p> <p>Speakers: Dr Anja Hallacker, German Academic Exchange Service Prof Paul Webb, Nelson Mandela University Prof Laban Ayiro, Moi University Dr Proscovia Namubiru, Uganda Management Institute</p> <p>11:30 – The Power of Football to Enliven Science</p> <p>Speaker: Mr Mbulelo Gxagxisa, Jono Cosmos Supporters Club</p> <p>12:00 – Role of Innovation in Economic Transformation of Africa</p> <p>Speakers: Dr Olayinka Oridupa, University of Ibadan Dr Desta Mebratu, Addis Ababa University</p>	<p>11:00 – Does Politics Matter for Regional Economic Development?</p> <p>Speaker: Mr Jonathan Muringani, University of Stavanger</p> <p>11:30 – Cultural Intelligence in Science</p> <p>Speakers: Mr Nkululeko Mthembu, PISTA</p> <p>12:00 – A Social Innovation</p> <p>Speaker: Ms Gina Moape, Tshwane University of Technology Ms Kutlwano Mofolo, Tech Savvy Kids SA</p>
13/12 12:30 – 13:30	LUNCH / EXHIBITION / NETWORKING									

Round 3 Sessions CSIR ICC and NRF										
TIME	DIAMOND	RUBY	EMERALD	AMBER 1	AMBER 2	JADE	ALBERT LUTHULI	TIYO SOGA	CRYSTAL	ONYX
13/12 13:30 – 15:00	<p>Higher Education as an Emerging Field of Scientific Inquiry in Africa: Prospects and Challenges</p> <p>Moderator: Prof <u>Patricio Langa</u>, University of Western Cape</p> <p>Panellists: <u>Dr Francis Ansah</u>, University of the Cape Coast <u>Dr Chux Daniels</u>, University of Sussex <u>Dr Mikateko Höppener</u>, University of the Free State <u>Dr Suzan Kilonzo</u>, Maseno University <u>Ms Linda Lumbasi</u>, Trinity College Dublin <u>Dr Nelson Nkhoma</u>, University of Western Cape <u>Dr Patrick Swanzy</u>, University of Western Cape <u>Dr Emnet Woldegiorgis</u>, University of Bayreuth</p>	<p>Women in Science, Engineering and Technology – a SADC perspective</p> <p>Moderator: Mr Stanley <u>Maphosa</u>, Academy of Science of South Africa</p> <p>Panellists: <u>Ms Mmampei Chaba</u>, Department of Science and Technology <u>Ms Thembi Turu Dube</u>, Ministry of Education and Training in Swaziland <u>Ms Ndoni Mchunu</u>, University of Witwatersrand <u>Ms Anneline Morgan</u>, Southern Africa Development Community <u>Prof Nonhlanhla Sukati</u>, University of Swaziland: Kwaluseni</p>	<p>Promoting Research Integrity: Increasing Awareness in Diverse, and African Settings</p> <p>Moderator: Prof Doug <u>Wassenaar</u>, University of KwaZulu Natal</p> <p>Panellists: <u>Dr Lyn Horn</u>, University of Cape Town <u>Ms Limbanazo Matandika</u>, Malawi College of Medicine <u>Prof Mai Har Sham</u>, The University of Hong Kong <u>Dr Rocky Skeef</u>, National Research Foundation</p>	<p>The 4th Industrial Revolution and the Future of Work</p> <p>Moderator: Prof <u>Saurabh Sinha</u>, University of Johannesburg</p> <p>Panellists: <u>Mr Sdumo Dlamini</u>, Congress of South African Trade Unions <u>Prof Balázs Gulyás</u>, Nanyang Technological University <u>Mr Sipho Maseko</u>, Telkom <u>Mr Ross McEwan</u>, Wala <u>Prof Joel Quirk</u>, University of Witwatersrand <u>Dr Beth Vale</u>, Mapungubwe Institute for Strategic Reflection</p>	<p>Innovation Ecosystem: Collaborative co-creation, a Crucial Step to Modernization?</p> <p>Moderator: Prof Kris <u>Willems</u>, Bothlale Village</p> <p>Panellists: <u>Ms Elmarie Cronje</u>, EOH Group <u>Mr Edgar Kasenene</u>, IOT <u>Ms Thandeka Mbokazi</u>, Belgium Campus <u>Ms Aneesa Rebaney</u>, Liberty Life <u>Ms Rikalize Reinecke</u>, La Pieus Aqua <u>Mr Jan Rombouts</u>, Belgium Campus <u>Dr Barend Taute</u>, Council for Science and Industrial Research</p>	<p>Exploring Ethical Challenges in African Genomic Research Through Drama</p> <p>Moderator: Mr <u>Marlyn Faure</u>, University of Cape Town</p> <p>Panellists: <u>Prof Jantina de Vries</u>, University of Cape Town <u>Prof Kirsty Donald</u>, University of Cape Town <u>Ms Lebogang Montewa</u>, University of Cape Town <u>Prof Ambroise Wonkam</u>, University of Cape Town</p>	<p>Indigenous Knowledge Systems-Based Bio-Innovation for Industrialisation</p> <p>Moderator: Mr <u>Baba Buntu</u>, eBukhosini Solutions</p> <p>Panellists: <u>Dr Hafiz Abdelgadir</u>, University of Eldaein <u>Prof Fernao Castro Braga</u>, Univesidade Federal de Minas Gerais <u>Ms Phephsile Maseko</u>, Traditional Healers Organisation <u>Ms Dikoketso Modiba</u>, University of Pretoria</p>	<p>Integrated Waste Management for a Better World</p> <p>Moderator: Mr Bertus <u>Louw</u>, Lightening Tree Stories</p> <p>Panellists: <u>Ms Laura Lahti</u>, Climate Change Africa <u>Mr Marko Nokkala</u>, Valmet <u>Dr Henry Roman</u>, Department of Science and Technology</p>	<p>13:30 – Izindaba Zesayensi Ngolimi Iwakho / Science Stories in Your Own Language</p> <p>Speakers: <u>Mr Sibusiso Biyela</u>, Sciencelink <u>Ms Tommy Kimberleigh</u>, University of the Witwatersrand <u>Dr Hlamulo Makelane</u>, University of the Western Cape</p> <p>14:00 – Science as a Language in Basic Education and Society to have a Creative and Innovative Society.</p> <p>Speaker: <u>Ms Valentine Saasa</u>, Capricorn Educational Resource Centre</p> <p>14:30 – #Bucket Loads of Health – Water, Science, Engagement and Ethics</p> <p>Speaker: <u>Ms Jessica Drewett</u>, Sustainable Livelihoods Foundation <u>Dr Gillian Black</u>, Sustainable Livelihoods Foundation</p>	<p>13:30 – Bridging the Digital Divide</p> <p>Speaker: <u>Prof Angela Dudley</u>, Council for Scientific and Industrial Research</p> <p>14:00 – Pharmaceutical Trends in Sub-Saharan Africa as Seen in the Data</p> <p>Speakers: <u>Mr Randall Crisp</u>, Clarivate Analytics <u>Mr Zulfaqar Dudhia</u>, Clarivate Analytics</p> <p>14:30 – Africa Running the Marathon Race from Raw to Digital</p> <p>Speakers: <u>Prof Mammo Muchie</u>, Tshwane University of Technology <u>Prof Sunday Ojo</u>, Tshwane University of Technology <u>Prof John Trimble</u>, Tshwane University of Technology</p>
13/12 15:00 – 15:30	EXHIBITIONS / NETWORKING / DRINKS / SNACKS									

Round 4 Sessions CSIR ICC and NRF										
TIME	DIAMOND	RUBY	EMERALD	AMBER 1	AMBER 2	JADE	ALBERT LUTHULI	TIYO SOGA	CRYSTAL	ONYX
13/12 15:30 – 17:00	<p>Nerd Heaven: Networking and Connecting for Science Moderator: Dr Bianca Verlinden, University of Pretoria Panellists: Dr Hlamulo Makelane, University of Western Cape Dr Sphumelele Ndlovu, Indabuko Institute Ms Edith Phalane, North-West University Mr Gero von der Stein, Council for the Lindau Nobel Laureate Meetings</p>	<p>Gender Equality is Imperative to Advance STI for Development Moderator: Prof Roseanne Diab, Academy of Science of South Africa Panellists: Ms Ndoni Mchunu, University of Witwatersrand Prof Tricia Naicker, University of Kwazulu-Natal Ms Dorothy Ngila, National Research Foundation Ms Elzarie Swanepoel, Academy of Science of South Africa</p>	<p>Who is Transmitting HIV in our Community? Ethical Legal and Social Implications of HIV Network Research Moderator: Prof Douglas Wassenaar, South African Research Ethics Training Initiative Panellists: Dr Zaynab Essack, Human Science Research Council Prof Tulio de Oliveira, Kwazulu-Natal Research Innovation and Sequencing Platform Mr Farirai Mutenherwa, University of Kwazulu-Natal Prof Ann Strobe, University of KwaZulu-Natal</p>	<p>Bringing People and Technology Together in the Workplace of the Future: An Industrial and Organisational Psychology Perspective Moderator: Ms Shirleen Titus, Society of Industrial and Organisational Psychologists of South Africa Panellists: Mr Ravinash Guinness, old Mutual Insure Mr Rob Jardine, Neoroleadership Institute Ms Deidre Jensen, Society of Industrial and Organisational Psychologists of South Africa Mr Badian Maasdorp, Society of Industrial and Organisational Psychologists of South Africa Mr Preevan Moodley, Old Mutual</p>	<p>What Does “Climate Resilient Development” Mean for Southern Africans and How Do We Achieve It? Moderator: Dr Ruwadzano Matsika, University of Witwatersrand Panellists: Dr Samuel Chademana, City of Tshwane Mr Happy Khambule, Project 90x2030 Mr Lindelani Mudau, Department of Environmental Affairs Mr Mark New, University of Cape Town Prof Coleen Vogel, University of Witwatersrand Ms Katinka Lund Waagsaether, University of Cape Town</p>	<p>Universities as Beacons of Science Engagement in Society Moderator: Prof Thandi Mgwebi, Tshwane University of Technology Panellists: Dr Marina Joubert, Stellenbosch University Mr Munyaradzi Makoni, Freelance Journalist Ms Mologadi Makwela, University of the Western Cape Ms Anina Mumm, Sciencelink Ms Shirona Patel, University of the Witwatersrand</p>	<p>The Future of the Natural Science Profession Moderator: Prof Robin Crewe, South African Council for Natural Scientific Professions Panellists: Prof Tshilidzi Marwala, University of Johannesburg Dr Matshidiso Matabane, South African Council for Natural Scientific Professions Dr Butana Mboniswa, Inqaba Biotec Prof Nelson Torto, The African Academy of Sciences Dr Engela van Staden, Sefako Makgatho University</p>	<p>Could an Open Innovation Model Help Establish Sustainable Bioeconomies in Africa? Moderator: Dr Hennie Groenewald, Biosafety South Africa Panellists: Mr Ben Durham, Department of Science and Technology Mr Victor Konde, United Nations Economic Commission for Africa Ms Lerato Mohalajeng, North West University Dr Antonel Olckers, DNA Biotech</p>	<p>15:30 – Resource Efficiency Innovation Speakers: Ms Jackie Jay, Department of Water and Sanitation Ms Sivashni Naicker, Department of Water and Sanitation</p> <p>16:00 – Land...with Compensation of an Alien Kind – the Role of Invasive Alien Plant Clearing in Releasing Water and Restoring Livelihoods Speakers: Ms Relebohile Kobeli, Avovision</p> <p>16:30 – Science Advice in Crises Speakers: Dr Carthage Smith, Organisation for Economic Cooperation and Development Prof Khotso Mokhele, University of the Free State</p>	<p>15:30 – How Safe is my Food? Speakers: Ms Thabang Msimango, University of Pretoria Prof Lise Korsten, University of Pretoria Ms Tintswalo Baloyi, University of Pretoria Performers: (All University of Pretoria) Mr Henri Strauss, Ms Andile Millicent Tombeni, Mr Sean Scott Munday, Mr Westley Smith, Mr Morne Breytenbach, Mr Lazarus Mankgela, Ms La-Portia N Khoza,</p> <p>16:00 – Listeria Hysteria! Speakers: Mr Bailey Snyman, University of Pretoria</p> <p>16:30 – Biologicals for Sustainable Green Agriculture Speakers: Prof Felix Dapare Dakora, The African Academy of Science Prof Lise Korsten, University of Pretoria</p>
13/12 17:30 – 19:30	EXHIBITIONS / NETWORKING / DRINKS / SNACKS									

Round 5 Science Talks CSIR ICC										
TIME	DIAMOND	RUBY	EMERALD	AMBER 1	AMBER 2	JADE	ALBERT LUTHULI	TIYO SOGA	CRYSTAL	ONYX
13/12 17:15 – 17:45	Fixing the South African Universities: a Reflection from University Rankings and Fees Must Fall Protests Speaker: Prof Jonathan Jansen, Academy of Science of South Africa	Living Wage: Evidence from New Zealand, South Africa, Namibia and Zimbabwe Speakers: Dr Molefe Maleka, Tshwane University of Technology Prof Ines Meyer, University of Cape Town Mr Mthokozisi Mpofu, Tshwane University of Technology	The NAM S&T Centre Contributing Through Science Diplomacy Speaker: Dr Amitava Bandopadhyay, NAM S&T Centre	Climate Change Challenges in Africa: WASCAL and SASSCAL State of the Art and New Perspectives Speaker: Prof Rene Haak, Federal Ministry of Education and Research Dr Jane Olwoch, Southern African Science Service Centre for Climate Change and Adaptive Land Management	Forensic Science Serving Justice Speaker: Dr Marise Heyns, University of Cape Town	Igniting conversations with community engagement: establishing citizen science projects in South Africa Speaker: Mr Joseph Hulbert, Forestry and Agricultural Biotechnology Institute			Reimagining the Workplace and the Worker of the Future – Implications for Safe Behaviour Speaker: Mr Jacob de Coning, Society for Industrial & Organisational Psychology South Africa	New Approaches and Practice to Ignite Conversations on Innovation in Beijing Speakers: Mr Wang Senlin, Beijing Municipal Social Development Office Dr Du Yang, Beijing Association of Science and Technology Dr Yuan Zheng, Beijing Association of Science and Technology
13/12 19:00 – 21:00	SFSA DINNER – off site by invitation only SFSA Networking Reception @ CSIR ICC									

Round 6 Sessions CSIR ICC and NRF											
TIME	DIAMOND	RUBY	EMERALD	AMBER 1	AMBER 2	JADE	ALBERT LUTHULI	TIYO SOGA	CRYSTAL	ONYX	
14/12 9:00 – 10:30	Science Advice in Africa: Opportunities and Challenges Moderator: Dr Richard Glover, International Council for Science, Regional Office for Africa Prof Christian Acemah , Uganda National Academy of Sciences Panellists: Prof Madiagne Diallo, Economic Social and Environmental Council of Senegal Mrs Jackie Olang-Kado, Network of African Science Academies Prof Sameh H Soror , Helwan University Dr Renee Street , South African Medical Research Council	The Role of Science, Technology and Innovation, on Prosperity, Sustainability and Resilience: the African Context Moderator: Mr Kekgonne Baipoledi, The Commission on Science and Technology for Development Panellists: Prof Gassama Yaye Kene, The American University in Cairo Prof Antoine Bagula , University of the Western Cape Prof Wanjiru Kamau-Rutenberg , African Women in Agriculture Research and Development Prof Musa Mhlanga , Council for Scientific and Industrial Research	The Role of TWAS in Sustainable Development – A Case of sub-Saharan Africa and Arab Regional Partners Moderator: Dr Max Paoli, The World Academy of Sciences Panellists: Prof Roseanne Diab, Academy of Science of South Africa Dr Marwa Elwakil, Biblioteka Alexandrina Prof Mohammed Hamdam, TWAS-Arab Regional Office Prof Moctar Toure , TWAS Regional Office for Sub-Saharan Africa	Systems Approaches to Achieve the SDGs: Zero Hunger Moderator: Dr Lindiwe Sibanda, AGRA Panellists: Dr Willeke de Bruin, University of Pretoria Prof Linus Opara , Stellenbosch University Dr Alice Pell, Cornell University Dr Aldo Stroebel, National Research Foundation	High Tech vs Frugal Innovation: Can Africa Leapfrog the Innovation Gap? Moderator: Prof Josef Gochermann, Osnabrueck University of Applied Sciences Panellists: Prof Oliver Damm, Fraunhofer Gesellschaft Ms Nkateko Maheso, Tshwane University of Technology Mr Tilson Manyoni, VisionWave Mr Francois Denner, SCS Aerospace Group	Survival of the Chalk Board Scientist Moderator: Mr Mbangiso Mabaso, Sisanda Tech Panellists: Ms Dineo Gomba, University of Limpopo Mr Lesetja Kola , Relebohile-Sibulele Combined School Mr Pontsho Moletsane , Yellow Beast Tech	Global Comparability and Local Relevance Moderator: Dr Glenda Kruss, Human Sciences Research Council Panellists: Mr Godfrey Mashamba, Department of Science and Technology Ms Anneline Morgan, SADC Secretariat Ms Lwandle Simelane, National Commission on Research Science and Technology of Namibia Dr Norton Titus , National Commission on Research Science and Technology of Namibia Mr Joseph Raj Xavier , National Institute of Science Technology and Innovation of Seychelles		Bridging the Space Divide: Igniting Capacity Building Conversations Moderator: Ms Andiswa Mlisa, South African National Space Agency Panellists: Ms Xoliswa Kakana, South African National Space Agency Ms Pontsho Maruping, South African Council for Space Affairs Ms Valerie Matlou, Department of International Relations and Cooperation Ms Lee-Anne McKinnell, South African National Space Agency Prof Thandi Mgwebi , Amaya Space	09:00 – Plans for SA Water Skills – An Extension of the NSTF Discussion Forum on “Skills Drought in the Water Sector” Speakers: Mr Lesego Lekubu, Department of Water and Sanitation Ms Jansie Niehaus, National Science and Technology Forum 09:30 – A Broader Discussion about SDG6 “Clean Water and Sanitation” in Africa Speakers: Dr Jean Albergel, Institut de Recherche pour le Development Prof Akissa Bahri, National Agronomy Institute- Tunisia 10:00 – Implementations of Nanotechnology in our Current Water Treatment Systems: How Far Are We? Speaker: Ms Dineo Bopape, University of South Africa	09:00 – Remotely Piloted Aircraft Systems: Toys or Valuable Technology? Speakers: Mr Jacques Schroder, South African Air Force Mr Roelof Richther, South African Air Force 09:30 – Public Policy and International Partnerships in the Era of Global Technological Disruption Speaker: Dr Michael Gastrow, Human Science Research Council 10:00 – Industry 4.0 Value Creation with the Internet of Things: Application and Cybersecurity Risks Speaker: Mr Sean Kruger, University of Pretoria

14/12 10:30 – 11:00	EXHIBITIONS / NETWORKING / DRINKS / SNACKS									
14/12 11:00 – 12:30	Round 7 Sessions CSIR ICC and NRF									
TIME	DIAMOND	RUBY	EMERALD	AMBER 1	AMBER 2	JADE	ALBERT LUTHULI	TIYO SOGA	CRYSTAL	ONYX
14/12 11:00 – 12:30	<p>The Role of Science, Technology and Innovation in the African Union Agenda 2063</p> <p>Moderator: Prof Sarah Anyang Agbor, African Union Commissioner for Human Resources, Science and Technology</p> <p>Panellists: Ms Mmampei Chaba, Department of Science and Technology Mr Hambani Masheleni, African Union Commission Mr Kasirim Nwuke, UNECA Dr Peggy Efua Oti-Boateng, UNESCO Prof Nelson Torto, The African Academy of Sciences</p>	<p>Open Access, Democratisation of Science and Leaving No-One Behind</p> <p>Moderator: Ms Linda Nordling, LN Media</p> <p>Panellists: Mr Robert-Jan Smits, European Commission Prof Ahmed Bawa, Universities South Africa Ms Faranah Osman, National Research Foundation</p>	<p>OneHealth: Towards a Proactive Global Public Health Regime</p> <p>Moderator: Mr Michael Rampedi, University of Limpopo</p> <p>Panellists: Prof Sabiha Essack, University of KwaZulu-Natal Dr Krpasha Govindasamy, Gauteng State Veterinary Services Dr Ali Halajian, University of Limpopo Dr Aqil Jeenah, One Health Commission Dr Portia Mutevedzi, National Institute for Communicable Diseases</p>	<p>SDGs and Gender Equality</p> <p>Moderator: Prof Himla Soodiyall, Academy of Science South Africa</p> <p>Panellists: Dr Kellina Craig-Henderson, National Science Foundation Ms Shoko Hirakawa, Japan Science and Technology Agency Ms Thulile Khanyile, University of the Witwatersrand Prof Kanshukan Rajaratnam, University of Cape Town Prof Finn Reygan, Human Science Research Council Dr Miyoko Watanabe, Japan Science and Technology Agency</p>	<p>Artificial Intelligence and the Fourth Industrial Revolution in Africa</p> <p>Moderator: Ms Andréa Campbell, Microsoft</p> <p>Panellists: Mr Ahmed El Essawi, Microsoft Mr Logan Finucan, Access Partnership Prof Hein Venter, University of Pretoria</p> <p>Facilitators: Ms Sunita Kalan, Department of Science and Technology Mr Patrick Krappie, Technology Innovation Agency Mr Nare Mashamaite, Council for Scientific and Industrial Research Mr Mpho Segolela, Code4Change Mr Werner Swanepoel, MPC Health Ms Charlene Verzmoter, Microsoft</p>	<p>Transformative Innovation Research and Policy Agenda for Africa</p> <p>Moderator: Dr Chux Daniels, University of Sussex</p> <p>Panellists: Dr Sepo Hachigonto, National Research Foundation Prof Thandi Mgwebi, Tshwane University of Technology Mr Imraan Patel, Department of Science and Technology Prof Johan Schot, University of Sussex Ms Blanche Ting, University of Sussex</p>	<p>Empowering Internationalisation of South Africa's Knowledge Enterprise</p> <p>Moderator: Dr Priscilla Mensah, National Research Foundation Prof Thandi Mgwebi, Tshwane University of Technology</p> <p>Panellists: Prof Christian Acemah, Uganda National Academy of Sciences Mr Mervin Bakker, Nuffic Neso Dr Jean-Paul Toutain, Embassy of France in South Africa</p>	<p>Brighter Light for African Science</p> <p>Moderator: Dr Sekazi Mtingwa, TriSEED Consultants</p> <p>Panellists: Prof Simon Connell, University of Johannesburg Dr Prosper Ngabonziza, Max Planck Institute Mr Tshepo Ntsoane, The South African Synchrotron Initiative Prof Trevor Sewell, University of Cape Town</p>	<p>11:00 – Malaria: How Close are we to Elimination?</p> <p>Speakers: Dr Taneshka Kruger, University of Pretoria Dr Bianca Brider, University of Pretoria</p> <p>11:30 – Smart Machine to Sell Free Prescription Medicine</p> <p>Speaker: Prof Abdurazzag Aburas, University of KwaZulu-Natal</p> <p>12:00 – Is Africa Ready to Share its Genomic Data?</p> <p>Speakers: Prof Jantina de Vries, University of Cape Town Prof Nicola Mulder, University of Cape Town</p>	<p>11:00 – Enablers and Inhibitors for Women in STEM: A Look at The AAS Women Fellows in Science</p> <p>Speaker: Dr Priscilla Mante, Kwame Nkrumah University of Science and Technology Ms Allen Mukhwana, The African Academy of Sciences</p> <p>11:30 – Investigating Success Factors Required in Science Communication</p> <p>Speaker: Mr Itumeleng Phage, Central University of Technology</p> <p>12:00 – Why Mentoring Scientists Matters</p> <p>Speaker: Mr Madimetja S. Lephoto, Alectrona Consulting</p>
14/12 12:30 – 13:30	LUNCH / EXHIBITION / NETWORKING									

14/12	Closing Plenary Session CSIR ICC – Diamond Auditorium
14/12 13:30 – 14:30	High-Level Panel Discussion: <i>Take Home Messages From SFSA2018</i> Moderator: Dr Molapo Qhobela, National Research Foundation Invited Guests: Ms Gloria Marmolejo Jaramillo, State Council of Science and Technology of Colima Dr Eunice Muthengi, Department for International Development Session Panellists: Dr Connie Nshemereirwe, Global Young Academy Prof Narnia Bohler-Muller, Human Science Research Council Prof Mai Har Sham, The University of Hong Kong Dr Hlamulo Makelane, University of Western Cape
14/12 14:30 – 15:00	SFSA Awards Ceremony: Host: Mr Daan du Toit, Department of Science and Technology
14/12 15:00 – 15:15	Launch of the Second Phase of the African Open Science Platform: Prof Khotso Mokhele, International Advisory Committee AOSP
14/12 15:15 – 15:30	Closing Address by Forum Host: Ms Mmamoloko Kubayi-Ngubane, Minister of Science and Technology
14/12 16:00 – 18:30	AN AFRICAN CELEBRATION – Celebrating Sisulu and Mandela
14/12	Closing Plenary Session CSIR ICC – Diamond Auditorium