

Day 2

Theme: Lessons for South Africa: Successful Campaigns for Energy Migration

Date: 25 February 2021

TIME	ITEM	SPEAKER
Chair: Prof Kopano Ratele, Unisa and SAMRC		
10:00 – 10:05	Introduction and Welcome	Prof Kopano Ratele , Unisa and SAMRC
10:05 – 10:20	India's journey towards universal electrification & clean cooking	Dr Debajit Palit , The Energy & Resources Institute
10:20 – 10:35	Beyond kerosene and dirty fuels in Africa: Enabling elements of a successful ethanol distribution model	Mr Greg Murray , KOKO
10:35 – 10:50	Alternative Technologies and Fuels for Domestic Energy	Prof Harold Annegarn , North-West University
10:50 – 11:05	Policy Imperatives, System Dynamics and Challenges to Household Energy Transition	Dr Shonali Pachauri , Institute for Advanced Systems Analysis (IASA)
11:05 – 11:30	Open Discussion: Implications for the South African Energy Transition	Moderator: Prof Diane Hildebrandt , Unisa
11:30 – 11:35	Comfort Break	
11:35 – 12:30	Panel Discussion: Voices on the Ground: Paraffin Lived Experiences & Aspirations for Alternative Energy: i. Mr Thapelo Mohapi , Abahlali baseMjondolo Movement SA ii. Mr Phumzile Nteyi , Urban Rural Development iii. Mr Joe Baleka , TEPRASM iv. Ms Sibongile Zenzile , Community Burn Safety Champion	Moderator: Prof Shahnaz Suffla , Unisa and Psychological Society of South Africa
12:30 – 12:45	Lessons from HIV for the No Paraffin Campaign	Prof Quarraisha Abdool Karim , Associate Scientific Director, CAPRISA
12:45 – 13:00	Socio-economic Considerations to Domestic Fuel Switching	Ms Teri Kruger , Synergetics Sustainable Solutions
13:00 – 13:15	Lessons Learned from the Struggle to Reduce Lead Exposure in South Africa	Prof Angela Mathee , South African Medical Research Council
13:15 – 13:30	Campaign Lessons from Tobacco Control Campaigns: Implications for Universal Energy Mobilisation	Dr Yussuf Saloojee , National Council Against Smoking
13:30 – 14:00	Open Discussion, Closure and Thanks	Prof Kopano Ratele , Unisa and SAMRC

Biographies



Prof Quarraisha Abdool Karim (PhD) is a National Research Foundation A1-rated scientist, infectious diseases epidemiologist and Associate Scientific Director of the Centre for the AIDS Programme of Research in South Africa (CAPRISA). She is Professor in Clinical Epidemiology, Columbia University, USA and is Pro-Vice Chancellor for African Health, University of KwaZulu-Natal, South Africa. Her research for the past 28 years has focused on HIV infection in adolescent girls and young women. She was the Principal Investigator of the Columbia University - Southern African Fogarty AIDS International Training and Research Programme that focused on establishing a strong science base and increasing the capacity to conduct clinical RCTs to highest international scientific and ethical standards. Her landmark study, the tenofovir gel CAPRISA 004 trial, demonstrated for the first time that anti-retrovirals can prevent HIV infection; highlighted by the journal *Science* as one of the top 10 scientific breakthroughs in 2010. Professor Abdool Karim has over 200 peer reviewed publications; edited several books, contributed several book chapters including co-editing the 6th and 7th edition of the Oxford Textbook on Global Public Health. Prof Abdool Karim is the UNAIDS Special Ambassador for Adolescents and HIV and co-chairs the UNAIDS Strategic Working Group. She is a member of the UNAIDS 2025 target-setting and resource mobilisation Steering Committee and is a member of the PEPFAR Scientific Advisory Board. She holds Fellowships at the: National Academy of Medicine, The World Academy of Science, Royal Society of South Africa, Academy of Science of South Africa and the African Academy of Science.



Prof Harold Annegarn is an Extraordinary Professor in the School of Geo and Spatial Sciences at the North West University in South Africa. He is also an Honorary Associate Professor at the China Agricultural University in Beijing. His research interests include urban and global atmospheric pollution, satellite remote sensing, impacts of mining, energy efficiency in low-cost housing, and improved domestic combustion stoves. He has been the principal investigator in major international science collaborations in the fields of remote sensing and of energy, notably the SAFARI 2000 Regional Science Initiative in collaboration with USA NASA and 15 other countries. His collaborations include engagements with USA, Canada, Germany, Netherlands, Italy, several African countries and China. Annegarn has supervised 28 doctoral and 58 Masters theses. He has co-authored 150 refereed publications, including transdisciplinary articles on science diplomacy. Prof Annegarn has led academic writing workshops in South Africa, Kenya and Ethiopia. He is a Member ASSAf.



Biographies



Mr Johannes Baleka is the CEO of Tshwarisanang Environmental Pro-Re-Active Safety Mentors (TEPRASM), a non-profit organisation (NPO) that seeks to serve poor and vulnerable communities with pride. Mr Baleka has extensive experience in working with previously disadvantaged communities, in particular informal settlement dwellers, who face challenges of notorious shack fires, indoor air pollution and other hygiene and environmental challenges. Since the inception of TEPRASM, Mr Baleka has been involved in community engagement and upliftment projects within informal settlement communities around Gauteng. These among others include Alexandra (Setjwetla, Women hostel informal dwellers), Tembisa (Mabela Kufa and Winnie Mandela informal dwellers) West Rand (Soul City, Merafong & Mohlakeng) Soweto (Kliptown informal dwellers) and, Emfuleni, Plot 95, Saulsville (Jeffsville informal dwellers).



Prof Diane Hildebrandt is a Director of the Institute for the Development of Energy for African Sustainability (IDEAS) and a Professor of Chemical Engineering at the University of South Africa (UNISA). She is a Distinguished Professor at the Hebei University of Science and Technology (HEBUST) and the Director of the International Joint Research Laboratory of New Energy, Hebei University of Science and Technology, China. Diane obtained her B.Sc., M.Sc. and Ph.D. from the University of the Witwatersrand. In 2005 she was recognized as a world leader in her area of research when she was awarded an A-rating by the National Research Foundation. In 2017, Diane was conferred the NSTF Research and Capacity Development award and was also appointed as one of the 100 Foreign Experts to advise Government of Hebei. Prof Hildebrandt was also chosen as the only African for the China National Talent Programme for Foreign experts in 2018. In 2020 she was awarded the Yanzhao Friendship award which recognizes foreign experts who have made outstanding contributions to the economic and social development of the Hebei Province in China. Her research area is the design of energy efficient processes and equipment, with the view to reducing carbon dioxide emissions from chemical processes. She is particularly interested in how she can apply the results of her research to improving the lives of those who do not have access to energy and clean water.



Biographies



Dr Shonali Pachauri is currently the Acting Director of the Transitions to New Technologies (TNT) Program and Senior Research Scholar in the Energy (ENE) Program at the International Institute for Applied Systems Analysis (Austria). She was recently appointed Research Group Leader of the new Transformative Institutional and Social Solutions (TISS) Research Group at IIASA as of 2021. She served as Adjunct Professor at the Yale School of Forestry and Environmental Studies, where she taught graduate courses during the 2016 Fall semester. Dr Pachauri's research focuses on the role of technological, institutional and social innovations for inclusive human development, particularly for those people without access to basic infrastructures and services. She coordinates and leads research on analysing heterogeneities in energy and infrastructural access and use in the developing world, policy pathways for achieving universal access to modern energy services and technologies and assessing the wider impacts of this for sustainable development. She has published extensively on these topics, both in peer-reviewed articles and policy reports. Dr Pachauri serves on the science advisory panel for the Climate and Clean Air Coalition (CCAC), and on the advisory group for the International Network on Gender & Energy (ENERGIA). She is also on the editorial advisory boards for the journals Environmental Research Letters, Current Research in Environmental Sustainability, Economics of Energy & Environmental Policy and Global Environmental Change



Prof Shahnaz Suffla is an Associate Professor at the Institute for Social and Health Sciences at the University of South Africa (UNISA), senior researcher affiliated to the Medical Research Council-University of South Africa Masculinity and Health Research Unit and was, until recently, specialist scientist at the South African Medical Research Council-University of South Africa Violence, Injury and Peace Research Unit. Her research interests draw from the intersections of critical African, community and peace psychologies, and public health, and are located within liberatory philosophies and epistemologies. Her thinking and scholarship are influenced by the vision of research as a transforming, humanising and decolonising enterprise. Her research interests include a focus on health interventions in contexts of structural and epistemic violence; participatory engagement as a site of activism, resistance and social change; and Africa-centred approaches to research and scholarship. Prof Suffla's academic contributions and imaginations are situated within and supported by the work of a collective of critical scholars within her department.



Biographies



Ms Sibongile Zimasa Zenzile is a burn survivor. She currently volunteers with the Childsafe Redcross Hospital as a Safety Officer where she educates early childhood teachers about fires and burns preventions, undertakes awareness creation activities with parents in the hospital and motivates burns survivors in the wards. Ms Zenzile has also worked at the Paraffin Safety Association as a Community Safety Champion and Ambassador, as well as the Department of Social Development as a Social Auxiliary Worker. With her life experiences and the stigma she faced as a burn survivor, Ms Zenzile uses her story to bring hope to those closest to her. She has also addressed the Western Cape provincial Portfolio Committee for safety on paraffin safety and has spoken in numerous radio, TV and newspaper interviews. Ms Zenzile has also been involved in teaching groups on paraffin safety and how to train end-users in paraffin safety.



Ms Teri Kruger is the Founding Director and lead Strategist of Synergetics Africa, a sustainable solutions business that helps progressive organisations to position themselves with a competitive advantage in a future of an energy, water and carbon-constrained world. Ms Kruger has received multiple awards for her contributions to renewable energy, environmental sustainability, as well as science, engineering, and technology; and her speaking career has taken her to Japan, Austria, India and many engagements in South Africa on global stages as well as educational institutions. Her knowledge base extends to the fields of business strategy, resource efficiency, technical standards, youth development, renewable energy power, and environmental risk mitigation, bringing insights from a number of perspectives. With a passion for people and the environment, Teri wants to create the momentum that induces positive change. Her focus is to support an organisation's success by reducing essential resource costs, powering its operations with clean power whilst mitigating the risks, and climate change impacts for them to gain a significant business advantage.



Mr Thapelo Mohapi is the former General Secretary of Abahlali baseMjondolo Movement SA, a movement that fights for land, housing and the dignity of the poor in South Africa. Prior to this, Mr Mohapi was the chairperson of the Briardene branch, and has been the General Secretary of Abahlali baseMjondolo since 2014. He has represented Abahlali in many international platforms. In 2016, he was invited by the Norwegian Peoples Aid to speak on 'Fighting Inequality'. He has been involved in the fight against xenophobia in Durban in 2015. Under his leadership, the movement of Abahlali grew from 13 000 to 55000 members in a space of three years. As a result of this growth, he faced many attacks from the ruling African National Congress and was forced into hiding. Mr Mohapi believes two things can change the life of South Africans, the first being that it is only when people are democratically organized from grassroots that the political frame of the country will change. The second, he believes that South Africa needs selfless leaders in order to change the status quo of corruption. Thapelo is currently the Head of Popular Education at Abahlali baseMjondolo Movement SA. He also works with Pan Africanism Today. He serves as the board member of the Social Justice Coalition, a social movement based in Cape Town.



Biographies



Mr Phumzile Nteyi is a seasoned radio journalist who started his career with a community radio station during the dawn of democracy in 1994 in the Western Cape. He has held various Communications, PR, Media, Project Management, Public Participation and Community Engagement roles in a variety of projects for various clients. His 25 years of experience in the Communication, Media and Public Engagement is unique in many respects. Phumzile has worked for C-Flat Community Radio, Sakaza Communications & PR, Household Energy Safety Association of Southern Africa and the South African Broadcasting Corporation. During the time as the Programme Manager at Umhlobo Wenene FM, the station scooped 35 Radio Awards for 3 consecutive years, an achievement that has never been achieved by any media company in South Africa.



Prof Kopano Ratele is the Director of the South African Medical Research Council-University of South Africa (SAMRC-UNISA) Masculinity and Health Research Unit and Professor at UNISA where he co-leads the Programme on Transdisciplinary African Psychologies. His books include *Liberating Masculinities* (2016) and *The World Looks Like This From Here: Thoughts on African Psychology* (2019).



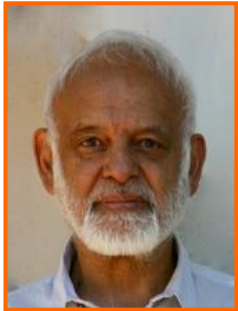
Dr Debajit Palit works in the field of rural electrification policy and regulation, distributed generation, solar PV, biomass gasification and clean cookstoves. He has around 24 years' experience working on renewable energy technologies – design and implementation, resource assessment & energy planning; clean energy and rural electrification policy & regulation, monitoring, impact assessment and capacity building. He has worked in projects for UN organisations, The World Bank, Asian Development Bank, national governments and Corporates, spread across countries in Asia and Africa. Presently, he is leading the Rural Energy and Livelihoods Division in TERI, New Delhi and has been responsible for the TERI's Lighting a Billion Lives initiative since 2008. He has also written widely on energy access and rural electrification issues, particularly on South Asia, and has more than 70 research publications in scholarly journals, conference proceedings and books. He is a sought-after speaker on rural energy issues, distributed renewable energy and mini-grids, and energy-gender-poverty nexus and has participated in a number of national and international conferences and workshops across Asia, Africa, Europe and the Americas. Dr Palit holds a Master's degree in Physics and a Ph.D in Energy Policy. Dr Palit represents TERI at the steering committee of the Energy for All Partnership of the Asian Development Bank and is a member of the LVDC Distribution Systems Sectional Committee (ETD 50), steered by the Bureau of Indian Standards. Earlier, he was also a member of the technical committee of the Decentralised Distributed Generation scheme under the National Rural Electrification Programme of the Government of India.



Biographies



Prof Angela Mathee holds a Master of Science degree in Environmental Epidemiology and Policy from the London School of Hygiene and Tropical Medicine and a PhD in Public Health from the University of the Witwatersrand. She is currently the Director of the Environment & Health Research Unit at the South African Medical Research Council. She is also a Visiting Professor at the University of Johannesburg and an Associate Professor at the University of the Witwatersrand. She is a member of the Academy of Science of South Africa and of the South African National Health Research Committee. She has served on World Health Organization guideline development groups for housing and health, indoor air pollution and lead exposure. Her main research interests are lead exposure in African children, housing and health and societal adaptation to climate change. During the COVID-19 pandemic she has become involved in the development of wastewater-based early warning systems for COVID-19 transmission.



Dr Yussuf Saloojee is the interim executive director of the National Council Against Smoking. He was previously its Director for 28 years during which time The Tobacco Products Control Act was passed in 1983. The Act was amended three times and currently a new tobacco control bill is under consideration.