

POLICY WORKSHOP ON NANOTECHNOLOGY FOR TRANSFORMATION OF AFRICAN DEVELOPMENT

“Looking towards a sustainable African future”

3 – 4 May 2021



Prof Tim White
Associate Vice President Research, NTU
Prof. School of Materials Science and Engineering
President, Singapore Materials Research Society



Prof John Mugabe
Professor of Science and Innovation Policy, Graduate
School of Technology Management (GSTM)
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Prof Catherine Ngila
Acting Executive Director
African Academy of Sciences (AAS)



Dr Steven Mufamadi
Managing Director, Nabio Consulting (Pty) Ltd
Co-founder of the South African
Nanotechnology Symposia series (Cancer, TB,
Malaria)



Prof Mihail Roco
National Science Foundation
Senior Advisor for Science,
Engineering and Nanoscience



Prof Hulda Swai
Director, Africa Centre for Research,
Agricultural Advancement, Teaching
Excellence and Sustainability, NMAIST
Extraordinary Professor of Nanomedicine,
University of Pretoria



Prof Wole Soboyejo
Worcester Polytechnic Institute
Senior Vice President and Provost
Founder, African University of Science and
Technology



Mr Brian Masara
South African Institute of Physics
Chief Executive Officer



Prof Martin Thuo
Iowa State University
Prof of Materials Science and Engineering



Prof Emmanuel Iwuoha
South African Research Chair for
NanoElectrochemistry and Sensor Technology
Director, University of the Western Cape Sensor
Laboratories



Prof Admire Dube
University of the Western Cape
Professor of Pharmaceutical Sciences

Day1

Opening session 1030-1115	AMRS/UNECA: Dr Shingai Mutizwa-Mangiza, Dr Samuel Chigome, Dr Victor Konde Mr Jean Paul Adam: Director for Technology, Climate Change and Natural Resources Management, UNECA Prof Catherine Ngila: Acting Executive Director, African Academy of Sciences (AAS)
1115-1145	Prof John Ouma Mugabe “Unlocking Barriers to Entry into Nanotechnology for Sustainable Development in Africa”
1145-1215	Prof Tim White “Exploiting the 'Triple-Helix' Model to Start & Sustain Nanotechnology Innovation in Singapore”
1215-1245	Panel Discussion/Q&A Panelist 1: Prof David Dodoo-Arhin, University of Ghana Panelist 2: Prof Malik Maaza, UNESCO-UNISA ITL/NRF Africa Chair Nanosciences and Nanotechnology Panelist 3: Ms Rujeko Masike, Harare Institute of Technology Panelist 4: Prof Ricardo Filipe De Queiros, Ministry of Higher Education, Science, Technology and Innovation, Angola
1350-1420	Prof Admire Dube “South African experience on nanotechnology policy and impact on nanomedicine research and product development”
1420-1440	Dr Steven Mufamadi “From lab to market: Strategies to nanotechnology commercialization in Africa”
1440-1510	Panel discussion/Q&A Panelist 1: Prof Joey Chifamba, University of Zimbabwe Panelist 2: Prof Chiedza Maponga, University of Zimbabwe Panelist 3: Prof Abraham Badu-Tawiah, The Ohio State University Panelist 4: Dr Busiswa Ndaba, Agricultural Research Council
1515-1555	Prof Mihail Roco “Global Outlook of Nanotechnology”
1555-1625	Panel discussion/Q&A Panelist 1: Prof Adewale Adelaye, Al-Farabi Kazakhstan National University Panelist 2: Prof Florence Oloo, The Technical University of Kenya Panelist 3: Prof Balla Diop Ngom, University Cheikh Anta Diop

Day 2

1100-1130	Prof Hulda Swai “Perspectives of the Africa Centre for Research, Agricultural Advancement, Teaching Excellence and Sustainability”
1130-1200	Prof Martin Thuo “From Micro to a Nano Electronic future: Role of African Nanoscience in Microelectronic Revolution”
1200-1230	Prof Wole Soboyejo “Perspectives of the African Materials Research Society on Nanotechnology Policy Development”
1230-1300	Panel Discussion/Q&A Panelist 1: Dr William Owusu Oduro, Council for Scientific and Industrial Research, Ghana Panelist 2: Prof Shaaban Said Khalil, Zewail City of Science, Technology, and Innovation Panelist 3: Dr Geraldine Dantelle, The French National Centre for Scientific Research (CNRS)
1350-1420	Mr Brian Masara “Foresight of Nanotechnology and its Contribution to Africa's Sustainable Development Goals”
1420-1450	Prof Emmanuel Iwuoha “Nanotechnology for Sustainable development and real time disease sensing”
1450-1520	Panel discussion/Q&A Panelist 1: Mr Freddie Woolland, Commonwealth Security Group Panelist 2: Prof Anita Etale, University of the Witwatersrand Panelist 3: Prof Anthony Amaechi Attama, University of Nigeria
Closing session 1520-1600	Closing remarks/Way forward Nanotechnology Bootcamp – Prof Dickson Andala (AMRS) Vote of thanks

To register for the webinar, please use the link

https://us02web.zoom.us/webinar/register/WN_b2omQuPSeudgmz6RM2MsQ

Kindly note that all times are in the GMT+2 or South African time zone