



United Nations
Economic Commission
for Africa

SPEAKERS



NANOTECHNOLOGY RESEARCH AND INNOVATION BOOTCAMP 2021 “Harnessing Nanotechnology for Sustainable Development in Energy, Water, Health and Agriculture”

10-13 AUGUST 2021

FREE REGISTRATION: TO JOIN, CLICK ZOOM LINK BELOW

https://us02web.zoom.us/meeting/register/tZUpdemsqTsoH9BYk486SGKm2k_5tG5I_INQ

All times are in the GMT+2 or South African Time Zone



Prof Lesley Cornish

Director, ARUA Centre of Excellence in Materials, Energy and Nanotechnology Prof. School of Chemical and Metallurgical Engineering, University of the Witwatersrand



Prof Dhanjay Jhurry

Vice Chancellor, University of Mauritius Prof. Biomaterials and Nanotechnology



Prof Malik Maaza

UNESCO-UNISA Africa Chair Nanoscience and Nanotechnology Senior Scientist, iThemba Labs Extraordinary Professor, UNISA



Mr Jean-Paul Adam

Director for Technology, Climate Change and Natural Resources Management, UNECA



Prof Wole Soboyejo

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



Her Excellency, Prof Sarah Anyang Agbor

Commissioner for Education, Science, Technology and Innovation, African Union Commission.



Prof. Askwar Hilonga

Professor at NM-AIST, Director of Gongali Model Co.Ltd (Nanofilter)



Dr Amal Kasry

Chief of Section for Innovation and Capacity Building in Science and Engineering, UNESCO



Prof Nashwa Eassa

Vice President of OWSD, Arab Region Associate Prof, Physics, Al Neelain University



Dr Beatrice Murage

Global Senior Manager, Sustainability, Philips



Prof Thalappil Pradeep

Institute Prof and Prof of Chemistry, Deepak Parekh Chair Prof, IIT Madras



Prof Paul Weiss

UC Presidential Chair Distinguished Prof of Chemistry & Biochemistry, Bioengineering Distinguished Professor of Materials Science & Engineering, California Nanosystems Institute



Prof Hulda Swai

Oliver Tambo Chair for Nanotechnology Director, African Centre of Excellence, School of Life Science and Bioengineering Extraordinary Professor of Nanomedicine, University of Pretoria



Prof Sushanta Mitra

Executive Director, Waterloo Institute for Nanotechnology, Professor, Mechanical & Mechatronics Engineering, University of Waterloo



Dr Jason White

Director, The Connecticut Agricultural Experiment Station



Prof Benjamin Eggleton

Director, University of Sydney Nano Institute Co-Director of the NSW Smart Sending Network



Prof Archana Bhaw-Luximon

Head, Centre for Biomedical and Biomaterials Research, University of Mauritius



Mr Muyambi Fortunato

Acting Executive Secretary of the East African Science and Technology Commission (EASTECO)



Dr Eugene Smit

Business Development Manager and CEO, Stellenbosch Nanofiber Company



Mr Wilfred Njagi

Co-Founder and CEO, Villgro Africa



Prof Sabelo Mhlanga

Founder and CEO, SabiNano Hon. Professor: School of Chemistry, Wits University



Prof Elizabeth Hall

Prof of Analytical Biotechnology, University of Cambridge



Prof Ahmed Khalil

Founder and Group Leader of ESTG, Fayoum University



Prof Xiumei Mo

Prof of Biomaterials, Donghua University



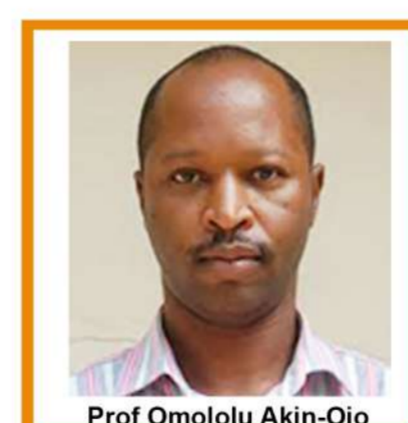
Prof EL Mir Lassaad

Laboratory of Physics of Materials and Nanomaterials Applied at Environment (LaPhyMNE), Gabes University,



Dr Naumih Noah

Assistant Professor of Analytical/Bioanalytical Chemistry, United States International University -Africa



Prof Omololu Akin-Ojo

Director, East African Institute for Fundamental Research (EAIFR)



Dr Oleg Stukalov

Business Development Manager, Waterloo Institute for Nanotechnology, University of Waterloo



Prof Dirk Guldi

Chief Editor, Nanoscale Department of Chemistry and Pharmacy Friedrich Alexander University



Prof Nour Attia

Head of Chemistry Department, National Institute for Standards of Egypt



Mr Tatenda Madzokere

Chairperson, Department of Metallurgical and Materials Engineering, Midlands State University



Dr Jordan Swisher

Senior Research Scientist at Stoicheia, Inc. & Postdoctoral Fellow at Northwestern University



Dr Jaco Olivier

Microscope Scientist, Centre for High Resolution Transmission Electron Microscopy, Nelson Mandela University



Dr Christopher Freemantle

Senior Materials Scientist and Engineer, Pilot Tools



<https://africanmrs.net>

For inquiries:

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PROGRAMME



NANOTECHNOLOGY RESEARCH AND INNOVATION BOOTCAMP 2021

"Harnessing Nanotechnology for Sustainable Development in Energy, Water, Health and Agriculture"

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DAY 1 TUESDAY 10th AUGUST	
1000-1100	<p><i>Opening Ceremony</i> Prof Dickson Andala, Dr Samuel Chigome: African Materials Research Society (AMRS) Prof Lesley Cornish: African Research Universities Alliance, Centre of Excellence in Materials, Energy and Nanotechnology (ARUA CoE-MEN) Dr Amal Kasry: United Nations Educational, Scientific and Cultural Organization (UNESCO) Mr Jean Paul-Adam: United Nations Economic Commission for Africa (UNECA) Her Excellency, Prof Sarah Anyang Agbor: African Union Commission (AUC)</p>
1100-1230	<p><i>Panel Discussion on Nanotechnology in Industry and Research</i> 1. Prof Wole Soboyejo: Worcester Polytechnic Institute (WPI) 2. Prof Malik Maaza: Nano-Horizon 3. Prof Dirk Guldi: Nanoscale</p>
LUNCH	
1330-1345	<i>Video clips: View of Nanotechnology by African Youth</i>
1345-1415	Prof Dhanjay Jhurry: Nanotechnology Vision for Africa
1415-1500	<i>Video clips: Facilities and Research activities at major Nano Africa nodes + AU</i>
1500-1530	Prof Malik Maaza: Nanotechnology Research in Africa
1530-1555	Dr Beatrice Murage: Embracing Nanotechnology for Innovation and Entrepreneurship in Africa
1555-16-30	<p><i>Showcasing Nanotechnology from African Companies</i> 1. Dr Eugene Smit: Stellenbosch Nanofiber Company 2. Dr Christopher Freemantle: Pilot Tools 3. Prof Sabelo Mhlanga: SabiNano</p>
BREAK	
1640-1710	Prof Paul Weiss: Nanotechnology approaches to Biology and Medicine
1710-1730	<i>Inspirational presentation by a young African Innovator</i>
1730 - 1830	Team formation and ideation with mentors



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"Harnessing Nanotechnology for Sustainable Development in Energy, Water, Health and Agriculture"

DAY 2 WEDNESDAY 11th AUGUST	
1100-1130	Prof Thalappil Pradeep: Nanotechnology for Water at the Indian Institute of Technology Madras (IITM)
1130-1200	Prof Askwar Hilonga: Nanotech for Water at the Nelson Mandela African Institute of Science and Technology (NMAIST)
1200-1230	Mr Wilfred Njagi: Support of startups with a global social impact focused on Africa
LUNCH	
1330-1400	Prof Archana Bhaw- Luximon: Nanotech for Health at the University of Mauritius (UoM)
1400-1430	Dr Jason White: Nanotechnology for Agriculture at the Connecticut Agricultural Experiment Station (CAES)
1430-1630	Prof Elizabeth Hall: Virtual Lab – Protein Engineering for Nanomaterials based Sensors and Bioelectronics
BREAK	
1640-1700	<i>Inspirational presentation by a young African Innovator</i>
1700-1800	Ideation with mentors

DAY 3 THURSDAY 12th AUGUST	
1100-1130	Prof Xiumei Mo: Electrospun nanofibers for biomedical applications
1130-1300	Dr Jaco Olivier: Nelson Mandela University Centre for High Resolution Transmission Electron Microscopy: Nanomaterial Characterization
LUNCH	
1330-1400	Dr Jaco Olivier: Nelson Mandela University Centre for High Resolution Transmission Electron Microscopy: Nanomaterial Characterization
1400-1430	Prof Sushanta Mitra & Dr Oleg Stukalov: Waterloo Institute for Nanotechnology (WIN): Sustainable Innovation Ecosystem
1445-1515	Prof Nour Attia: Porous carbon nanomaterials for energy applications
515-1545	Prof Ahmed Khalil: Application of Nanotechnology in Water Treatment and Desalination
1545-1615	Dr Jordan Swisher: From Research to Nanotechnology Product Development: A view from the USA
BREAK	
1600-1630	<i>Inspirational presentation by young African Innovator</i>
1630-1800	Ideation with mentors and final preparations of project team pitches

