

A Transformational Africa-US STEM University Partnership: A Workshop

Session 1: Learning from a decade of African initiatives in STEM partnerships

Venue: Virtual (10 AM to 1 PM EDT/ 2- 5 PM GMT)

Date and Time: Monday, March 14, 2022

Session Introduction (10:00 am EDT)

- Anne Petersen, co-chair of workshop and Chair, Policy and Global Affairs Committee, NASEM
- **Welcome:** Vaughan Turekian, ED, Policy and Global Affairs Division, NASEM
- **Presentation to the plenary Speaker:** Sajitha Bashir, co-chair of workshop

Panel 1 - Partnerships in STEM research: Lessons from the past (10:15am EDT)

- Moderator – Eric Garfunkel, Vice Pres. for Global Affairs, Rutgers University
- Panelist – Barnabas Nawangwe, Vice Chancellor, Makerere Univ.
- Panelist – M. Hicham Fenniri, Mohamed VI Polytechnic Univ.
- Panelist – Nelson Torto, Permanent Secretary, Ministry of Tertiary Education, Research, Science and Technology, Govt. of Botswana
- Panelist - Ms. Jackie Kado, Executive Director, Network of African Science Academies (NASAC)
- Discussion and summary

Keynote address (11:25am EDT) : Robert Jones, Chancellor, Univ. Illinois at Urbana-Champaign

Panel 2 - Partnerships in undergraduate and graduate STEM education: Lessons from the past (11:45am EDT)

- Moderator – Reitu Mabokela, Vice-Provost for International Affairs, Univ. of Illinois at Urbana-Champaign
- Panelist - Joel Ogbonna, Dean & ACE-CEFOR Leader, Univ. of Port Harcourt
- Panelist - Lola Eniola-Adefeso, Associate Dean for Graduate and Professional Education, Univ. of Michigan
- Panelist – Jeremy Coats, Institute for International Education
- Panelist - Elsie Kaufmann, Associate Professor, Univ. of Ghana
- Discussion and summary

Session 2: Strategic Areas for High Impact STEM Collaboration

Venue: Virtual (10 AM to 1 PM EDT/ 2- 5 PM GMT)

Date and Time: Tuesday, March 15, 2022

Session Introduction (10:00am EDT)

- Nkem Khumbah, STEM Africa Initiative, Univ. of Michigan
- Speaker - Prabhas Moghe, Exec. VP Acad Affairs, Rutgers University

Panel 1 - Building African research universities for excellence in STEM (10:15am EDT)

- Moderator – Winston (Wole) Soboyejo, Provost, Worcester Polytechnic Inst.
- Panelist – Boutheina Guermazi, Director, Regional Integration for Africa/MENA, World Bank
- Panelist – Mamokgethi Phakeng, Vice Chancellor, Univ. of Cape Town
- Panelist - Hulda Swai, Professor and ACE-CREATES Leader, NM-AIST
- Panelist - Charles Ichoku, Professor, Howard Univ. and Dist. Scientist, NCAS-M
- Discussion and summary

Break (11:35am EDT)

Panel 2 - Supporting STEM programs through partnerships (11:40am EDT)

- Moderator – Sossina Haile, Professor, Northwestern University
- Panelist – Norman Fortenberry, Exec. Director, American Society for Engineering Education
- Panelist – Kwabena Biritwum Nyarko, Vice Dean, Civil and Geo Eng., KNUST
- Panelist – Charles Awono, Professor and Rector, Universite Des Montagnes, Bangante, Cameroon
- Panelist - Andrew Gerard, Lead, PEER Program, USAID
- Discussion and summary

Session 3: Towards a New US-Africa STEM Initiative

Venue: Virtual (10 AM to 1:00 PM EDT/ 2- 5 PM GMT)

Date and Time: Wednesday, March 16, 2022

Session Introduction (10:00am EDT)

- **Introduction to session and the proposed new initiative**
Speaker: Brian Arbic, STEM Africa Initiative, Univ. of Michigan
- Summary of Session 1 and 2 + key takeaways
Sajitha Bashir, co-chair of Workshop

Keynote address (10:20am EDT): Darryll Pines, President, Univ. of Maryland

Panel 1 (10:40am EDT)

- Moderator – John Hildebrand, Professor, Univ. of Arizona, and International Secretary, NAS
- Panelist - Valentine Uwamariya, Hon. Minister of Education, Govt. of Rwanda, and Chair, PASET Governing Council
- Panelist - Fred Matiang'i, Cabinet Secretary, Coordination of National Government, Government of Kenya
- Panelist - Rebecca Keiser, Chief of Research Security Strategy and Policy, NSF
- Panelist - Felix Dakora, President, African Academy of Sciences
- Panel Discussion

Break (11:35am EDT)

- **Panel 2 (11:40am EDT)**
 - Moderator - Dalal Najib, Director, Science & Engineering Capacity Development, NASEM
 - Panelist - Mustafa Terrab, Chairman/CEO, OCP, Morocco
 - Panelist - Geri Richmond, Under Secretary of Science and Energy, Department of Energy
 - Panelist - Ticora Jones, Chief Scientist, USAID
 - Panelist - Panelist - Kevin Urama, Acting Chief Economist & Vice President, and Senior Director of the African Development Institute, African Development Bank
 - Panel Discussion

Summary and Next Steps (12:45pm EDT)

- Nkem Khumbah, STEM Africa Initiative, Univ. of Michigan