# 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 el Habti, President, 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 Britwum 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** - 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**