



# Third Africa Forum on Science, Technology, and Innovation (STI)

*STI for Private Sector Competitiveness and Economic Transformation  
in Africa*

10-12 February 2018

CAIRO, EGYPT

AGENDA



**SATURDAY 10 FEBRUARY 2018**

**07:00-08:00**

**Arrival and Installation of Participants (EVENT BY INVITATION ONLY)  
From Hilton Cairo Heliopolis to AL MASA H Hotel, Nasr City**

08:00 AM: Participants arrive and take their seats (Andalusite Ballroom)

**10:30 – 11:30**

**Official Opening Ceremony  
Venue: Andalusite Ballroom**

- Welcome Address – H.E. Professor Khaled Abdel Ghaffar, Minister of Higher Education and Scientific Research of Egypt
  - Short Video: Egypt support to STI in Africa.
- Remarks by Dr. Bandar M. H. Hajjar, President, Islamic Development Bank
- Keynote Address – Dr. Akinwumi Ayodeji Adesina, President, African Development Bank
  - Short Video- Egypt and AfDB: Partners in STI Investment
- Official Opening of the STI Forum – H.E. Abdel Fattah El Sisi, President of the Arab Republic of Egypt

**12:00-12:30**

**Health Break (Foyer Area)  
Press Conference (VIP Lounge)**

**12.30 – 14.00**

**Plenary Session:  
The State of Science, Technology and Innovation in Africa  
Venue: Andalusite Ballroom**

12.30 – 12.45: Presentation by Dr. Jennifer Blanke, Vice-President, Agriculture and Human Development, African Development Bank

Moderator: Dr Hayat Sindi, Advisor to the President of the Islamic Development Bank on Science Technology and Innovation

Panelists:

- H.E. Ms. Appiagyei Patricia, Deputy Minister, Ministry of Environment, Science, Technology and Innovation, Ghana
- H.E. Ms. Sarah Mbi Enow Agbor, Commissioner, Human Resources, Science and Technology, Africa Union Commission
- Mr. Gino Ussi, Executive Vice-President, Elsevier
- Dr. Hussein Salama, Director of Microsoft Advanced Technology Lab, Egypt

Discussions: Q/A from the audience

**14:00-15:00**  
**Lunch Break, Al Masah Hotel – Emerald Lounge**

**15:00**  
**Departure of all Participants from AL MASAHA Hotel to Hilton Cairo Heliopolis**

**Note: Coffee-Tea will be served in parallel at Canyon Ballroom, Foyer Area, Level -2  
(at Hilton Cairo Heliopolis)**

**16:00-18:00**  
**Plenary Session:**  
**Enablers for STI: STI Policies, Financing, and Human resources for STI**  
**Venue: Canyon Ballroom – Coloured & White partitions**

Moderator: Dr Ghaith Fariz, Director of the UNESCO Regional Bureau for Sciences, Egypt

Panelists:

- H.E. Prof. Khaled Abdel Ghaffar, Minister of Higher Education and Scientific Research, Egypt
- Dr. Diane Parker, Deputy Director General: University Education, Department of Higher Education and Training, South Africa
- H.E. Prof. Mary Teuw Niane, Minister of Higher Education and Scientific Research, Senegal
- H.E. Prof. Bakayoko Ly-Ramata, Minister of Higher Education and Scientific Research, Côte d'Ivoire
- Mr. Shem Bodo, Ag. Executive Secretary, Association for the Development of Education in Africa (ADEA)

Discussions: Q/A from the audience

**20:00-22:00**  
**Gala Dinner & Cultural Entertainment**  
**(Hosted by the Government of the Arab Republic of Egypt)**  
**20:00-20:30: Arrival of invitees**  
**20:30 Speech by H.E. Prof. Khaled Abdel Ghaffar, Minister of Higher Education, Egypt**  
**20:45-22:00: Dinner**  
**Venue: Hilton Cairo Heliopolis – Pool Area**

**SUNDAY 11 FEBRUARY 2018**  
**Hilton Cairo Heliopolis**

**07:00-08:00**

**Parallel Side-Event 1**

**Breakfast meeting: Evidence-based policy-making: UNESCO's Global Observatory of Science, Technology and Innovation Policy Instruments (GO-SPIN)**

*Organized by UNESCO*

**Venue: Coral Room, Level -2**

Moderator: Dr. Ernesto Fernandez Polcuch, Chief of Section for Science Policy and Partnerships, UNESCO  
Opening remarks:

- Dr. Ghaith Fariz, Director of the UNESCO Regional Bureau for Sciences, Egypt
- Mr. Peter Cederblad, Councillor in charge of Regional Development Cooperation/Economic Development, Swedish Embassy in Cairo

Round table discussion Speakers:

- Dr. Abraham Mathodi, Chief Research Science and Technology Officer, Ministry of Tertiary Education Research Science & Technology of Botswana
- Dr. Mohamed Ramadan, Executive Director of Egyptian Science, Technology and Innovation Observatory (ESTIO)
- Dr. Almamy Konte, Senior Expert, Innovation Policy, African Observatory of Science, Technology and Innovation (AOSTI)

**07:00-08:00**

**Parallel Side-Event 2**

**Breakfast pitching session: Innovation and Youth Entrepreneurship**

*Organized by the AfDB*

**Venue: Granite Room, Level -2**

Moderator: Mr. Foster Ofosu, Capacity Development Specialist, African Development Bank

Panelists:

- Ms. Sarah Rich, Strategy Consultant, Johnson and Johnson Consumer/ S&I Innovation Projects, African Academy of Sciences, Kenya
- Mr. Michael Sudarkasa, Africa Business Group, South Africa
- Ms. Tanya Popeau, CEO Live Synthesis Ltd.
- Mr. Simunza Muyangana, Bonga Hive Technology Hub, Zambia

Discussants:

- Prof. Chidozie Emenuga, Division Manager, Programs Division, African Development Bank

Discussions: Q/A from the audience

**08:00-08:30**

**Official Opening of Exhibitions/Booths by H.E. Professor Khaled Abdel Ghaffar, Minister of Higher Education and Scientific Research, Egypt**

**Venue: Canyon Ballroom – Oak & Blue partitions, Level -2**

**08:30-10:00**

**Plenary Session:**

**Approach to STI development – Experience from Japan, South Korea, Egypt and Côte d'Ivoire**

**Venue: Canyon Ballroom – Coloured & White partitions, Level -2**

Moderator: Mr. Godfrey Mashamba, Chief Director, Science and Technology Investment, Department of Science and Technology, South Africa

Panelists:

- Prof. Mahmoud Sakr, President, Academy of Scientific Research and Technology, Egypt
- Prof. Yasunori Baba, University of Tokyo, Japan
- Mr. Yongsoo Hwang, Senior Research Fellow Emeritus, Science and Technology Policy Institute (STEPI), Republic of Korea
- Pr. Annick Tahiri, Director of Valorization and Innovation, Minister of Higher Education and Scientific Research, Côte d'Ivoire

Discussions: Q/A from the audience

**10:00-10:15**

**Health Break -- Canyon Ballroom, Foyer Area, Level -2**

**10:15-11:45**

**Plenary session:**

**Building STI Capacity: STEM and Entrepreneurship in Education Systems**

**Venue: Canyon Ballroom – Coloured & White partitions, Level -2**

Moderator: Dr. Nkem Khumbah, Coordinator, STEM-Africa Initiative, University of Michigan

Panelists:

- H.E. Dr. Tarek Shawky, Minister of Education and Technical Education, Egypt
- Prof. Masaaki Suzuki, JICA Expert/Vice President, E-JUST, Egypt-Japan University of Science and Technology
- Prof. Emmanuel Nnadozie, Executive Secretary, African Capacity Building Foundation (ACBF)
- Dr. Youssef Travaly, Next Einstein Forum Vice-President Innovation & Institutional Partnerships

Discussant:

- Mr. Hatem Sallam, CEO, ITWORX Education, Egypt

Discussions: Q/A from the audience

**11:45-13:15**

**Plenary Session:**

**African Economic Outlook 2018 Report**

**Venue: Canyon Ballroom – Coloured & White partitions, Level -2**

Moderator: Dr. Victor Oladokun, Director of Communications and External Relations, African Development Bank

Panelists:

- Dr. Celestin Monga, Chief Economist and Vice President, African Development Bank
- H.E. Ansu D. Sonii, Minister of Education, Liberia
- Dr. Ibrahim Elbadawi, Managing Director, Economic Research Forum, Cairo
- Prof. Emmanuel Nnadozie, Executive Secretary, African Capacity Building Foundation

Discussions: Q/A from the audience

**13:15-14:15**

**Lunch Break, Pearl Ballroom, Level -2**

**14:15-16:15**

**Parallel Session A:**

**Food and nutrition technology: Innovative pathways to build grey matter infrastructure in Africa**  
**Venue: Coral Room – Level -2**

Moderator: Prof. Adipala Ekwamu, Executive Secretary, RUFORUM

Panelists:

- H.E. Dr. Maria do Rosário Bragança, Minister of Higher Education, Science, Technology and Innovation, Angola
- Prof. Joyce Kinabo, e-Nutrition Academy and Sokoine University of Agriculture, Tanzania
- Prof. Hany A. El-Shemy, Minister Advisor for African Affairs, Ministry of Higher Education and Scientific research, Egypt
- Mr. Kahitouo Hien, Young scientist Graduate from the International Institute of Water and Environment (2iE, Burkina Faso) and CEO, FasoProf, Burkina Faso
- Mr. Faris Farrag, Founder of Bustan Aquaponics, Egypt

Discussant:

- Dr. Habiba Hassan-Wassef, Medical Doctor and Nutrition Expert, Egypt

Discussions: Q/A from the audience

**14:15-16:15**

**Parallel Session B:**

**Harnessing climate smart technologies for the transition to a climate- resilient and low-carbon future**

**Venue: Granite Room – Level -2**

Moderator: Prof. Anthony Nyong, Director, Climate Change and Green Growth, African Development Bank

Panelists:

- Prof. Chinedum Nwajiuba, Vice-Chancellor, Federal University Ndufu-Alike, Ikwo, Nigeria
- Mr. Nazar M. Hassan, Senior Science and Technology Specialist for the Arab States, UNESCO
- Prof. Islam Abou El-Magd, Associate Professor, National Authority for Remote Sensing and Space Sciences, Egypt
- Dr. Bashir Jama Adan, Manager, Agriculture and Food Security, Islamic Development Bank

Discussions: Q/A from the audience

**14:15-16:15**  
**Parallel Session C:**  
**Role of STI in Water and Sanitation Sector for Competitive Private Sector and Economic Transformation**  
**Venue: Amber Room – Level -1**

Moderator: Mr. Mohamed El Azizi, Director General of North Africa Regional Development & Business Delivery Hub, African Development Bank

Panelists:

- Prof. Mady Koanda, Director, International Institute of Water and Engineering (2iE), Burkina Faso
- Prof. Dr. Rifaat Abdel Wahaab, National Research Center, Egypt
- Ms. Zeinab Kabil, Young entrepreneur in water technology, Egypt

Discussions: Q/A from the audience

**14:15-16:15**  
**Parallel Session D:**  
**Innovations in ICT, and their impact on private sector competitiveness, job creation, and effective social service delivery in Africa**  
**Venue: Turquoise Room – Level -1**

Moderator: Dr. Hossam Osman, Advisor to Minister for Innovation, Human Resources Development, and Entrepreneurship, Ministry of Communication and Information Technology, Egypt

Panelists:

- Mr. Mamadou Kwidjim Touré, Founder & CEO of Ubuntu Group
- Mr. Islam Shawki, Founder and CEO, PayMob solutions, Egypt
- Dr. Mouhsine Lakhissi, CTO and Co-Founder of Neoxia, Morocco
- Mr. Jerome Morissey, CEO, Global e-school and communities initiative

Discussant:

- Mr. Mohammed Saeed, Board Member, African Information and Communication Technology Alliance
- Prof. Emad Hegazi, Acting Executive Director, Science & Technology Development Fund (STDF), Egypt

Discussions: Q/A from the audience

**14:15-16:15**  
**Parallel Session E:**  
**Skills and Innovations for the Pharmaceutical Industry**  
**Venue: Onyx Room – Level -1**

Moderator: Mr. Messay Wolde-Mariam, Deputy Director General, Food, Beverage & Pharmaceutical Industry Development Institute, Ministry of Industry, Ethiopia

Panelists:

- Mr. Emmanuel Mujuru, Chairman of the Board, Federation of African Pharmaceutical Manufacturers Association
- Dr. Solomon Nwaka, Executive Director, African Network for Drugs and Diagnostics Innovation
- Prof Dr Wahid Doss, Head National Committee for Control of Viral Hepatitis, Egypt
- Ms. Safiatou Simporé, Executive Director, YOLSE, Public Health and Innovation, Switzerland

Discussants:

- Prof. Abdelhalim Trabelsi, Dean, Faculty of Pharmacy of Monastir, Tunisia
- Dr. Sherin Helmy, CEO of Pharco Pharmaceutical, Egypt

Discussions: Q/A from the audience

**16:15-16:30**  
**Health Break -- Canyon Ballroom, Foyer Area, Level -2**

**16:30-18:30**  
**Parallel Session F:**  
**Incentive for Innovation, Intellectual Property**  
**Venue: Coral Room – Level -2**

Moderator: Mr. Yongsoo Hwang, Senior Research Fellow Emeritus, Science and Technology Policy Institute (STEPI), Republic of Korea

Panelists:

- Pr. Hamidou Boly, Commissioner, Education, Science and Culture, ECOWAS
- Dr. Essan Khamis Ibrahim, Deputy Minister of Higher Education and Scientific Research for Scientific Research, Egypt
- Ms. Viji Krishnan, Global Head of Emerging Markets, Clarivate Analytics
- Prof. Etienne Ehouan Ehil , Association of African Universities Secretary-General

Discussions: Q/A from the audience

**16:30-18:30**  
**Parallel Session G:**  
**Improving Diaspora Partnerships in higher education, research and Development: Promoting Brain Circulation**  
*Organized by AIMS*  
**Venue: Granite Room – Level -2**

Moderator: Ms. Nathalie Munyampenda, Associate Director -Partnerships and Public Engagement, Next Einstein Forum

Panelists:

- Dr Thomas Auf der Heyde, Deputy Director-General for Research and Development Support Department of Science and Technology, South Africa
- Dr. Solomon Assefa, Director of IBM Research Africa
- Dr. Ingrid Ursula W ning Tschol, Vice-President for Strategy, Robert Bosch Stiftung
- Dr. Youssef Travaly, VP of Science, Innovation & Partnerships, Next Einstein Forum
- Dr. Assane Gueye, Research Professor, University Alioune Diop of Bambey and NEF Fellow

Discussions: Q/A from the audience

**16:30-18:30**  
**Parallel Session H:**  
**From Labs to Market: Private sector role in National Innovation Systems**  
**Venue: Amber Room – Level -1**

Moderator: Prof. Kang, Beom Soo, Professor of Aerospace Engineering, Pusan National University, Republic of Korea

Panelists:

- Ms. Olga Memedovic, Chief of the Cluster and Innovation Division, UNIDO
- Pr. Hisham Haddara, Founder, President and CEO, Si-Ware Systems, Egypt
- Ms. Joelle Abega-Oyouomi, R&D Director, Nestl  R&D Abidjan, C te d’Ivoire
- Mr. Hiro Nishiguchi, Executive Managing Director, Japan Innovation Network

Discussant:

- Ms. Pauline Mujawamariya Koelbl, Managing Director, African Innovation Foundation

Discussions: Q/A from the audience



**16:30-18:30**  
**Parallel Session I:**  
**European Union- Africa Research and Innovation Partnership: Policy Framework and Funding Instruments**  
**Venue: Onyx Room – Level -1**

Moderator: Prof. Hany El Shemy, Co-Chair, EU- AU High level Policy Dialogue (HLPD) on Science, Technology and Innovation

Panelists

- Ms. Fadila Boughanemi, DG Research and Innovation, European Commission
- Dr. Heba Gaber, Research and Innovation regional officer, European Union Delegation to Egypt
- Dr. Tarek El Arabi, Ministry of Higher Education and Scientific Research, Egypt
- Mrs. Gift Kadzamira, National Commission for Science and Technology, Malawi
- Dr. Mohhamed Salheon, Advisor to the Minister of Higher Education for Strategic planning, Egypt.

Discussions: Q/A from the audience

**20:00-22:00**  
**Short Innovation for Youth Award Ceremony by AfDB**  
**&**  
**Diner hosted by the African Development Bank**  
**Venue: Pearl Ballroom, Level -2**

**MONDAY 12 FEBRUARY 12, 2018**  
**Hilton Cairo Heliopolis**

**09:00-10:30**

**Parallel Session J:**

**Women in Science: Addressing the Gender Gap in the Field of Science, Technology and Innovation**  
**Venue: Amber Room – Level -1**

Moderator: Dr. Ernesto Fernandez Polcuch, Chief of Section, Science Policy and Partnerships, UNESCO  
Panelists:

- Prof. Saliou Touré, President, International University of Grand-Bassam, Côte d'Ivoire
- Dr. Charon Duermeijer, Senior Director of Academic Customer Engagement, Elsevier
- Professor Rajaâ Cherkaoui El Moursli - High Energy Physics and Nuclear Physics, Morocco – Winner of the L'Oreal-UNESCO “Women in Science” award 2016
- Ms. Nneile Nkholise, Founder, iMed Tech, South Africa
- Ms. Maria-José Moreno, Chief Gender Officer, African Development Bank

Discussions: Q/A from the audience

**09:00-10:30**

**Parallel Session K:**

**Nourishing and Nurturing Innovation**  
**Venue: Turquoise Room – Level -1**

Moderator: Ms. Giovanna Ceglie, Regional Director, UNIDO

Panelists:

- Dr. Sung Yug Choi, Administrative Director, Busan Technopark, Republic of Korea
- HE. Dr. Abdoulaye Yero Baldé, Minister of Higher Education and Scientific Research, Guinea
- Dr Ayman Ismail, Founding Director, American University of Cairo Venture Lab, Egypt
- Mr. Mohamed Sharaf, Young entrepreneur, Founder & Managing Director, Insanyah Technology
- Mr. Sergey Khristolyubov, Government Market Development Director, Emerging Markets, Clarivate Analytics

Discussions: Q/A from the audience

**09:00-10:30**

**Parallel Session L:**

**Perspectives on the Future of STI and potential implications for Secondary Education in Africa**  
*Organized by ADEA*  
**Venue: Onyx Room – Level -1**

Moderator: Mr. Shem Bodo, Ag. Executive Secretary, Association for the Development of Education in Africa

Panelists:

- Mr Gonyahali Son, Director of Cabinet, Ministry of Higher Education, Scientific Research and Innovation, Burkina Faso
- Mr. Nhlanhla Lupahla, Deputy Director: Innovation, Ministry of Higher Education, Training and Innovation, Namibia
- Hon. Prof. Mary Teuw Niane, Minister of Higher Education, Scientific Research and Innovation, Senegal
- Mr. Joseph Opoku, Founder of Youth Impact Workshop and Student at Westminster University - Youth Ambassador

Discussions: Q/A from the audience

**10:30-10:45**  
**Health Break -- Canyon Ballroom, Foyer Area, Level -2**

**10:45-12:30**  
**Plenary Session:**  
**Strengthening Regional Collaboration on STI, Education and Research Networks**  
**Venue: Canyon Ballroom – Coloured & White partitions, Level -2**

Moderator: Dr. Diarra-Thioune Assitan, Regional Economist, African Development Bank

Panelists:

- Dr. Kasirim Nwuke, Chief, New Technologies and Innovation, United Nations Economic Commission for Africa
- Dr. Boubakar Barry, Director General, West and Central Africa Research and Education Network
- Prof. Nelson Torto, Executive Director, African Academy for Science
- Dr. Javier Botero Alvarez, Lead Education Specialist, Education Global Practice, World Bank: ACE & PASET

Discussant:

- Dr Thomas Munthali, Director for Knowledge and Learning, African Capacity Building Foundation

Discussions: Q/A from the audience

**12:30-14:00**  
**Lunch Break, Pearl Ballroom, Level -2**

**14:00-15:30**  
**Plenary Session:**  
**Industrialize Africa: strategies, policies, institutions and financing**  
**Venue: Canyon Ballroom – Coloured & White partitions, Level -2**

Moderator: Ms. Giovanna Ceglie, Regional Director, UNIDO (TBC)

Panelists:

- Dr. Celestin Monga, Chief Economist and Vice President
- Prof. Saied M. Darwish, Minister Advisor, Minister of Higher Education and Scientific Research, Egypt
- H.E. Prof. Sarah Anyang Agbor, Commissioner, Human Resources, Science and Technology, African Union Commission
- Mr. Youssef Travaly, Next Einstein Forum Vice-President for Innovation & Institutional Partnerships

Discussions: Q/A from the audience

**15:30-16:30**  
**Plenary Session:**  
**Approaching a joint future: Bold Commitments from Countries and Partners**  
**Venue: Canyon Ballroom – Coloured & White partitions, Level -2**

Master of Ceremony: Ms. Malinne Blomberg, Country Manager for Egypt, African Development Bank

Announcements/commitments by countries and partners (maximum 2 minutes per speaker)

**16:30-17:30**  
**Plenary Session:**  
**Closing Ceremony**  
**Venue: Canyon Ballroom – Coloured & White partitions, Level -2**

Master of Ceremony: Ms. Oley Dibba-Wadda, Director, Human Capital, Youth and Skills Development Department, African Development Bank

- General rapporteur: Dr. Yasemin Koc, STI expert, African Development Bank
- Cairo Declaration and Milestones: Mr. Timothy Mbi Anyang, Special Assistant to the Commissioner for Human Resources, Science and Technology, Africa Union Commission

Closing remarks:

- H.E. Mr. Takehiro KAGAWA, Ambassador of Japan in Egypt
- Mr. Yongsoo Hwang, Senior Research Fellow Emeritus, Science and Technology Policy Institute (STEPI), Republic of Korea
- H.E. Ms. Sarah Mbi Enow Agbor, Commissioner, Human Resources, Science and Technology, Africa Union Commission
- Dr. Khaled Sherif, Vice-President, African Development Bank
- H.E. Professor Khaled Abdel Ghaffar, Minister of Higher Education and Scientific Research, Egypt