

ENGINEERING
PARTNERSHIPS
CONVENTION | 2022

***“BUILDING BACK BETTER –
EMERGING ISSUES IN ENGINEERING”***

CONCEPT NOTE

27TH - 29TH APRIL 2022
NAIROBI



I(kenya) VISION 2030



INTRODUCTION

The Engineers Board of Kenya is a statutory body established under Section 3(1) of the Engineers Act, 2011 and is mandated to: -

- Register engineers and engineering consulting firms;
 - Regulation of engineering professional services;
 - Setting of standards; and
 - Development of the general practice of engineering.
- Introducing reforms in engineering education that will transform it to outcomes based engineering education;
 - Participating in negotiations of the liberalization of professional engineering services across Africa and the world;
 - To raise awareness on the effects of and align professional engineering services to mitigate climate change; and
 - Enhanced participation of professional engineers in Kenya's devolution space.

Having transitioned from the Engineers Registration Board to the Engineers Board of Kenya in 2012, the regulation of the engineering value chain has gone through a lot of transformation given the broad functions and powers given to the Board in Section 7(1) of the Engineers Act 2011. The Act has enabled the Board to regulate engineering education, engineering training and the engineering practice in Kenya. This has allowed the Board to bring in global perspectives to the Kenyan engineering value chain which include: -

The Engineering Partnerships Convention 2022 seeks to bring together policy makers, industry experts, academicians, researchers, trade in services experts and Kenyan engineers to create dialogue, reflection and partnerships that will strengthen Kenya's engineering education, training and practice.

Alignment of Engineering Partnership Convention 2022 to Sustainable Development Goals



SDG 4: Quality Education – ensuring that engineering education in Kenya is globally recognized and imparts the engineering skills required for the achievement of Vision 2030.



SDG 8: Decent Work and Economic Growth – ensuring engineering entrepreneurship in the country, region, continent and global arenas contribute to creation of employment, competitiveness, and capacity building of local engineering consulting firms.



SDG 9: Industry, Innovation and Infrastructure – Increased investment in research and development is required to find solutions for crises such as COVID-19. Engineers are required to provide more innovative solutions that are resilient and sustainable in the face of global and national crises.



SDG 13: Climate Action – ensuring engineers play their part in combating climate change by ensuring their engineering designs are environmentally friendly and sustainable.



SDG 17: Partnerships – Creation of partnerships and combining of resources that will contribute to streamlining engineering education, training and practice and will put Kenya's engineering value chain on the global map.



EPC 2022 IN BRIEF

Three-day program comprising of:

Keynote Speakers

Panels

Workshops

Concurrent Sessions

Poster Displays

Industry Exhibition

30+

Presentations

15+

Hours of
Networking

35+

Exhibitors

21+

Hours of
program

Attendees will include:

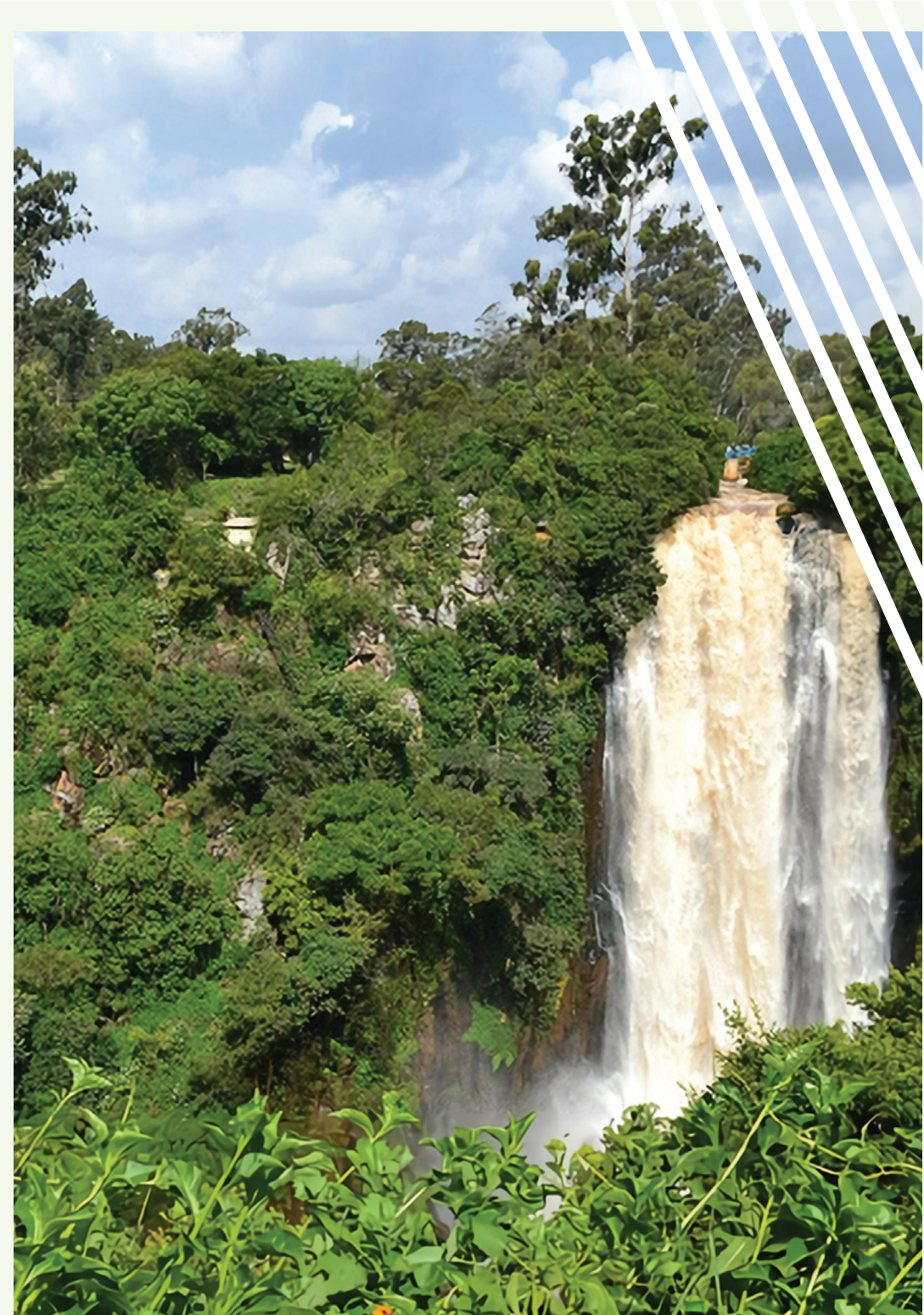
Engineering leaders & decision makers

Government and policy makers

Subject matter experts & thought leaders

University & research leaders

Students & graduates



PILLARS OF THE CONVENTION

		Panel Session	Expected Outcomes
Pillar 1	Championing the shift to outcomes-based engineering education in Kenya	- What is outcomes based education and what are its benefits? - Aligning Kenyan engineering education to outcomes-based requirements.	- Stakeholders' commitment to outcome-based engineering education. - Outcome-based curriculum development for engineering education.
Pillar 2	Opportunities for growth in the liberalization of professional engineering services at the regional, continental and global levels	- What is trade in services and the protocols that govern it. - Kenya's commitments to and opportunities available to Kenyan professional engineers under the trade in services - Engineering Standards in Kenya	- Agreement framework on Trade in Services for Professional Engineering Services. - Use of standards to accelerate sustainable development
Pillar 3	Kenya's commitments at COP26 and aligning the engineering practice to mitigating climate change	- Role of the Kenyan engineer in implementation of the commitments made during the UN COP26 on climate change - Financing locally led climate action programme by the National Treasury	- A roadmap of engineers' input towards implementation of the COP26 commitments - Engineers' input in the implementation of the program
Pillar 4	Safeguarding Public Safety and Welfare in Engineering Services	- Technical Capacity of Engineers in the Counties for implementation of Professional Engineering Services - Engineering Human Resource Capacity in the Infrastructure Sector - Increasing Investment in Research & Development for Building Resilient Infrastructure - Findings on country-wide structural assessment carried out in Mombasa, Nairobi, Kajiado, Kisumu, Siaya, Kiambu, Kakamega, Vihiga and Uasin Gishu	- Improved compliance to Engineers Act 2011 and Engineers Rules 2019 - Strategies for strengthening the engineering human resource capacity for the infrastructure sector - The importance of investing in research and development for sustainable solutions - Improved compliance to the Engineers Act 2011. - Established mitigation measures against collapsing of buildings - Policy recommendations

WHY ATTEND?



Hear from international and Kenyan speakers on trends and best practice that is shaping tomorrow's marketplace;



Gain insights into the growing engineering sector and how this will shape engineering entrepreneurship;



Participate in discussions that are affecting the engineering value chain - engineering education, engineering training and engineering practice;



Experience world-class presentations on emerging issues and how they are reshaping engineering in Kenya;



Develop global networks and forge new connections with some of Kenya's and the world's leading engineering experts;



Learn from international peers and contribute to global discussions around engineering leadership, governance and influence;



Providing Kenyan engineers the opportunity to share their expertise on an international stage.

ECONOMIC BENEFITS TO KENYA

Engineering is the backbone of any economy's success especially in ensuring the economy has reliable and sustainable infrastructure. The contributions that will be made in EPC 2022 will address critical and emerging issues in the engineering

value chain that are important in ensuring that Kenya build the pool of competent engineers required for her to realize vision 2030. This can only be done through quality education, quality training and sound practice of engineering.



ATTENDANCE



Virtual



Physical

Charges

Virtual - Kshs. 5,000

Physical - Kshs. 20,000

18PDU's





CONTACTS

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