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CPDs

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# 30<sup>TH</sup> IEK INTERNATIONAL CONVENTION

## CONCEPT NOTE

**DATE:**  
November 14th - 17th 2023

**VENUE:**  
Pride Inn Paradise Beach  
Resort Convention Centre  
and Spa in Mombasa





## Background

Engineering has played a fundamental role in the development and transformation of the world. Engineering will remain key in supporting the growth and development of economies as well as in improving the quality of life.

Engineering leads the efforts of industrialization and modernization of society through development of infrastructure for housing, transportation, water resources, waste management, energy, communication, telecommunication, agriculture, mining, healthcare and education.

The Institution of Engineers of Kenya in collaboration with the Engineers Board of Kenya will hold its 30th Annual International Convention from 14th - 17th November, 2023 at Pride Inn Paradise Beach Resort Convention Centre and Spa in Mombasa. The theme of the convention is ***'Engineering a New World'***.

The Institution of Engineers of Kenya (IEK) was founded in 1972. The function of IEK is to enhance the engineering profession and contribute to the sustainable development of the Country.

The Engineers Board of Kenya is a statutory body established through the Engineers Act, 2011. The Board is responsible for registration of engineers and engineering firms, regulation of engineering professional services, setting of standards, development, and the general practice of engineering.

During the same period, Kenya will play host to the 18th World Council of Civil Engineering (WCCE) General Assembly. The World Council of Civil Engineers (WCCE) is a global platform of civil engineering societies, civil engineering-related companies, non-governmental organizations related to civil engineering, academic institutions, and individual professional civil engineers.

The 6th Women Engineers Summit and the 2nd Future Leaders' Summit will be held on the 14th November 2023 during the first day of the convention.

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# Convention Theme

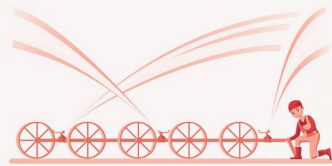
## *Engineering A New World*

### Subthemes



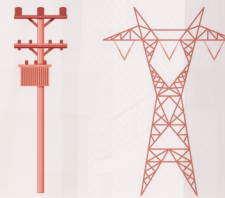
I.

Housing, Infrastructure,  
Transport and Finance  
for Engineering



II.

Water, Irrigation,  
Environment and  
Climate Change



III.

Energy, Electrification  
and Information and  
Communication Technologies



IV.

Manufacturing, Machinery,  
Built Environment Services  
and Refrigeration



V.

Engineering for Food  
Security and Agro-  
industries



VI.

Engineering Devolution,  
International Accords and  
Trade in Services



VII.

Emerging Technologies,  
Engineering Leadership,  
Education, Training,  
Research and Practice

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# The 2<sup>nd</sup> Future Leaders' Summit

## Theme:

*Future leaders fostering positive impact*

## Subthemes:

- Holistic wellness of young engineers
- Capacity building and personal branding
- Climbing the corporate and leadership ladder

## 2<sup>ND</sup> FUTURE LEADERS EXPO

The Future Leaders EXPO aims to attract young inventors and innovators from diverse engineering disciplines to showcase their original works, in line with the main conference theme and subthemes. The top three outstanding innovations will get the opportunity to pitch their innovation or invention and get awarded during the Annual Convention Gala Dinner. The Future Leaders EXPO will be held parallel to the main convention from 14th – 17th November 2023.

# 6<sup>th</sup> Women Engineers Summit 2022

## Theme:

*Beyond Excellence: The Future of Women in Engineering*

## Subthemes:

- Individual, Product and Consultancy Services Marketing
- Job Skills of Tomorrow
- My Engineering Journey
- Increasing visibility for women engineers

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# 29<sup>th</sup> IEK International Convention 2022

The Institution of Engineers of Kenya (IEK) in collaboration with the Engineers Board of Kenya (EBK) hosted the 29th IEK 2022 convention under the theme "Sustainable Engineering in the Era of Climate Change." This was a five-day convention, from 21st – 25th November 2022, held at Diani Reef Hotel, South Coast Kwale, Kenya.



## KEY RESOLUTIONS WERE:

- I. To fast track the unified approach towards advancing the mutual recognition alliances such as the International Engineering Alliances tracked in the interest of engineering augmentation. The roadmap towards attaining engineering alliances should be stewarded by the engineering organizations such as EAFEO, FAEO and WFEO.
- II. To support their active participation in international organizations such as International Engineering Alliance (IEA);
- III. Alongside county governments, support engineering services such as planning, design, construction, supervision and implementation in a bid to support employment of engineers.
- IV. On improving engineering education, IEK and EBK shall lobby Higher education and tertiary institutions to Mainstream environmental sustainability in their professional curricula by incorporating aspects of green design and construction.
- V. To make engineers' participation in committees at both national and county levels mandatory.
- VI. Facilitate the review of the Climate Change Act and National Climate Change Policy framework of 2016 to consider use of emerging technologies.
- VII. Fast-track the implementation of Nuclear program, development of requisite infrastructure and promote awareness among stakeholders.

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# 29<sup>th</sup> IEK Convention (2022)



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# 5<sup>th</sup> Women Engineers Summit 2022

The 5th Women Engineers' Summit was held on Tuesday 22nd November 2022 with the theme; **"360° Women Engineers: A Catalyst for Change"**. Key resolutions that were made include:

- I. Women engineers shall advocate for equity to eliminate the barriers to professional growth and embrace the differences of people
- II. EBK and IEK on behalf of Professional women engineers shall lobby universities to seek affiliation in the IBET Ph.D Project that is committed to funding and mentoring two black indigenous scholars each year in engineering or technology;
- III. Women engineers shall take up the role of mentoring the youth in universities and high school;



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# The 1<sup>st</sup> Future Leaders' Summit 2022

The 1st Future Leaders' Summit that took place on Monday 21st November 2022 with the theme **"Back to Basics"**. Key resolutions that were made include:

- I. Young engineers shall focus on getting it right from the very beginning, by seeking mentorship from seasoned engineers, professional development, adhering to the code of engineering practice and use of best practices and sustainable innovations;
- II. IEK and EBK shall lobby the government to regulate, intervene and protect young professional looking for opportunities abroad by establishing an organisation to collaborate with registered employment agencies
- III. IEK and EBK shall lobby the government to support local startups, especially those founded by the youth



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# 30<sup>th</sup> IEK International Convention

## Specific Objectives



1. To drive innovation and collaboration towards sustainable and affordable housing, improved infrastructure, transportation systems, and access to finance for engineering projects.
2. To promote modern engineering innovative and sustainable solutions to the challenges of Water, Irrigation, Environment, and Climate Change, and their interdependencies, to advance environmental protection, social well-being, and economic prosperity.
3. To identify innovative technologies, effective policies, and financing mechanisms to accelerate the adoption of clean energy and electrification developing Countries.
4. To explore the latest trends, innovations, and opportunities in ICTs for sustainable development; and to discuss effective strategies, policies, and partnerships to enhance their adoption and utilization for socio-economic development.
5. To harness potential in the manufacturing sector to achieve socially equitable and ecologically sustainable economic growth that generates employment and income.
6. To pioneer innovative solutions to lessen food wastage along the supply chain and enhance food security to unlock the World's true economic potential in Agriculture.
7. Support and progress international agreements that guide the recognition of engineering education qualifications, professional competence and facilitate quality and engineering mobility for engineering development.
8. To explore new ideas, promote innovation, and foster collaborations to enhance engineering education, develop effective engineering leadership, and advance the state of the art frameworks to benefit the world.
9. To provide valuable knowledge sharing and networking environment for engineers, policy makers, global leading thought leaders and stakeholders.

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## Expected Outcome

1. Foster collaboration among stakeholders to develop innovative solutions for sustainable and affordable housing, improved infrastructure, transportation systems, and access to finance for engineering projects in Kenya and beyond.
2. Promote sustainable and innovative solutions to tackle water, irrigation, environment, and climate change challenges, while advancing environmental protection, social well-being, and economic prosperity in the region.
3. Identify innovative technologies, effective policies, and financing mechanisms to accelerate the adoption of clean energy and electrification in Kenya and beyond.
4. Establish effective strategies, policies, and partnerships to enhance the adoption and utilization of ICTs for socio-economic development in Kenya and beyond.
5. Encourage socially equitable and ecologically sustainable economic growth in the manufacturing sector to generate employment and income.
6. Pave the way for innovative solutions to reduce food wastage, enhance food security, and unlock the World's true economic potential in Agriculture.
7. Facilitate international recognition of engineering education qualifications, professional competence, and engineering mobility for engineering development.
8. Foster collaborations and explore new ideas to enhance engineering education, leadership, and advance the state of the art to benefit the world.
9. Showcase engineers' achievements and engineering practice in the modern world to highlight their contribution to sustainable development.
10. Enhance public understanding of engineering and technology contribution to modern life and sustainable development.
11. Create a valuable knowledge sharing and networking environment for engineers and professionals in science and technology.
12. Strengthen the collaborative relationship between WCCE and its member organizations to implement projects that advance the 2030 agenda.
13. Nurture and mentor young engineers and women engineers through providing a platform for professional development and networking opportunities.
14. Successfully host the World Council of Civil Engineers General Assembly to showcase Kenya's engineering leadership and contribute to the development of the engineering profession globally.

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## In brief

### The four-day program will comprise of:

1. Keynote Speakers
2. Panels
3. Poster displays
4. Innovations
5. Exhibition
6. Industrial Visits

### Delegates will include:

1. Engineers across the globe
2. Policy makers
3. Academicians
4. Manufacturers
5. Industry experts
6. Researchers

### Physical Attendance

**Early Registration** (before 1st October)

**Kshs. 40,000**

**Late Registration** (after 1st October)

**Kshs. 45,000**

**Foreign Delegate**

**USD380**

### Virtual Attendance

**Early Registration** (before 1st October)

**Kshs. 15,000**

**Late Registration** (after 1st October)

**Kshs. 20,000**

**Undergraduate student**

**Kshs. 3,000**

**Foreign Delegate**

**USD150**



**2,000+**  
Physical delegates



**1,800+**  
Virtual delegates



**45+**  
Presentations



**8+**  
Panels



**50+**  
Exhibitors



**28+**  
Hours of Program

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# CONTACT

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