



The Institution of Engineers of Kenya

Background Information

The Institution of Engineers of Kenya (IEK) is the learned society of the engineering profession and co-operates with national and other international institutions in developing and applying engineering to the benefit of humanity.

History of IEK

The East African Association of Engineers (EAAE), which was the precursor to the Institution of Engineers of the Kenya (IEK), was formed in 1945 as a professional and learned body, independent of control by governments and with membership spread in the original East Africa i.e. Kenya, Uganda, and Tanzania (Tanganyika and Zanzibar). The break up of the East African Community in the early 1970's resulted in the splitting of most of the professional/learned bodies, among them the EAAE. IEK was born out of this split. IEK was registered as a professional/learned and independent body in 1972.

Ideals and Objectives of IEK

The ideals and objectives of IEK since its formation have been:

- To represent the diverse interests of all branches of engineering.
- To promote, encourage and improve the application of engineering to technical and other related practices.
- To facilitate the exchange of information and ideas on technical and other related matters.
- To safe-guard the dignity and integrity of the engineering profession and safeguard the standards set to guide the application of engineering knowledge to the solution of problems.
- To contribute to and set standards for theoretical, practical and management training leading to acceptance to Membership of IEK and registration by the Engineers Board of Kenya (EBK)
- Commitment to Continuous Professional Development for members of IEK.

Membership

Most members of IEK are resident in Kenya but IEK has members outside Kenya. The membership is drawn from practising engineers in the local/and central government departments, parastatals, private industry, consultants, contractors, educators, designers, manufacturers and other persons interested in engineering. The IEK is organised into the following units:

- Council of IEK based in Nairobi
- Coast Branch based in Mombasa
- Western Branch based in Eldoret
- Central Kenya Branch based in Nyeri

The interest of all members are represented by the Council of IEK, which coordinates the interests/activities of the regional branches and various other associated bodies. The Council of IEK arranges national conferences, seminars and representation of IEK members in various committees formed in the country and internationally. The regional branches and their committees play a vital role in membership contract by organising lectures, demonstrations, technical visits and in upholding professional standards. The success of the regional branches depends greatly on the support given by members who are encouraged to take a positive part in the activities of regional branches. The regional branches ensure maximum benefit is obtained by members and help to expand the membership of the IEK.

Activities of IEK

IEK provides a service to its members by means of seminars, lectures, publications and training, to enable them to keep up to date with technical and industrial developments, management aspects of engineering, changes in technology and relevant developments in Kenya and elsewhere. The "Kenya Engineer" is the bi-monthly journal of the IEK and is distributed to all members of IEK.

YEAR	IEK PAST CONFERENCES	VENUE
1983	Engineering for peace prosperity	KICC Nairobi
1987	Engineering in Development	KICC Nairobi
1994	Engineering for self reliance	KICC Nairobi
1994	Role of Engineer in sustenance development	KICC Nairobi
1995	Role of the Engineer in Industrialization	KICC Nairobi
1999	The Engineer in the next millennium	Hotel Intercontinental Nairobi
2000	The Engineer in society in the millennium	Grand Regency Nairobi
2001	Water and Energy for survival	Hotel Intercontinental Nairobi
2002	Private sector participation in national development	Hotel Intercontinental Nairobi
2003	Challenges to Industrialization	Hotel Intercontinental Nairobi
2004	Maintenance of Infrastructure	Hotel Intercontinental Nairobi
2005	Engineer and the millennium development	Hotel Intercontinental Nairobi
2006	The Engineer and regional Integration	Hotel Intercontinental Nairobi
2007	The Engineer in liberalized market	Hotel Intercontinental Nairobi
2008	The Engineer and vision 2020	Hotel Intercontinental Nairobi
2009	Food, Water, Energy, Security, engineering challenges of the 21 st century	Hotel Intercontinental Nairobi
2010	The role of public private partnerships for development of sustainable infrastructure	Sarova Hotel Mombasa
2011	Engineering better counties and cities for better living	Laico Regency Nairobi
2012	The role of engineering practitioners in the implantation of the constitution	KICC Nairobi
2013	Innovation engineering solutions for industrialization of counties	Tom Mboya Labour college Kisumu
2014	The engineering and rural infrastructure in emerging natural resources	Leisure Lodge Resort Diani
2015	Engineering opportunities and capacity building in emerging natural resources discoveries	Hotel Intercontinental Nairobi
2016	Innovation and Entrepreneurship in Engineering	Leisure Lodge Beach & Golf Resort, Diani, Mombasa
2017	Engineering Innovation and Strategic Solutions	Hotel Intercontinental Nairobi
2018	Harvesting Blue Economy for accelerated Economic growth: The role of the Engineer	PrideInn Paradise Mombasa
2019	Overcoming 21 st Century Challenges	Leisure Lodge Beach & Golf Resort, Diani, Mombasa



THE IEK COUNCIL



ENG. NATHANIEL MATALANGA
President



ENG. LUCY WANJIKU MUTINDA
1st Vice President



ENG. ERIC OWINO OHAGA
2nd Vice President



ENG. MARGARET N. OGAI
Honorary Secretary



ENG. AOKO OYOLLA
Honorary Treasurer



ENG. GODFREY MARAMBE
MOMANYI
Member



ENG. JUSTUS AUFRIDUS
OTWANI
Member



ENG. SHAMMAH KITEME
Member



ENG. GRACE MUTHONI
KAGONDU
Member



ENG. CHRISTINE
ADONGO OGUT
Member



ENG. DOREEN KIENDE
KIRIMA
Member



ENG. COLLINS JUMA
Member



PROF. LARRY GUMBE
Member



ENG. STANLEY MUSAU
Member



ENG. ROSALINE JILO
Chairperson,
Coast branch



ENG. MICHAEL KAMAU
Chairperson,
Southrift branch



ENG. ERIC NGAGE
Chairperson,
Western branch



27TH IEK INTERNATIONAL CONFERENCE

Engineering a Post-COVID-19 Future

HOST:

THE INSTITUTION OF ENGINEERS OF KENYA

Pride-Inn Hotel, Mombasa

Wednesday 25th- Friday 27th November 2020

CONFERENCE SUB-THEMES:

1. Engineering the Sustainable Development Goals (SDGs).
2. Big Four Agenda and Vision 2030.
3. Smart Cities and Intelligent Infrastructure.
4. Development of National, County, and Regional Value Chains.
5. 4th Industrial Revolution and Industry 4.0
6. Academia, Research, and Development.
7. Climate Change Resilience.

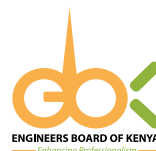
Category	Physical Attendance	Virtual Attendance
National Delegates	Kshs. 30,000	Ksh. 10,000
International Delegates	USD 400	USD 100
Students	N/A	Kshs. 3,500

**REGISTRATION DEADLINE
17TH NOVEMBER 2020**

**Earn
25
PDUs**

For further information on the conference please visit our website: www.iekenya.org and/or contact our secretariat on email iek@iekenya.org OR +254 20 2729326 , +254 7 21 729 363

Payments MUST be made at any Standard Chartered Bank Branch into IEK account No. 0102024134900 held at Kenyatta Avenue Branch and payment slip emailed to the secretariat for registration. Payment by Company cheques may be made directly to the secretariat. Payments may also be made through M-pesa Paybill no. 976295 and account your name e.g AN OTHER.



Engineering A Sustainable World



IEK 27TH INTERNATIONAL ANNUAL CONFERENCE

November 24, 2020—November 27, 2020 - 7:00 AM-6:00 PM
PRIDEINN PARADISE BEACH RESORT, MOMBASA
SERENA ROAD, MOMBASA

CONFERENCE ORGANIZING COMMITTEE MEMBERS



Eng. Collins Juma *FIEK, MBS*
Chairperson



Eng. Nathaniel Matalanga
President IEK



Eng. Lucy Wanjiku
1st Vice President



Eng. Erick Ohaga
2nd Vice President



Eng. Margaret N. Ogai
Honorary Secretary



Eng. Carren Oyolla
Honorary Treasurer



Eng. Henry Ndunga
ACEK Chair



Eng. Erastus Mwongera
Chairman EBK



Eng. Nicholas M. Musuni
CEO/ Registrar EBK



Eng. Linda Otieno
CEO IEK



Eng. Grace Kagundu
Vice Chairperson



Eng. Prof. Alex Muumbo
Member



Catherine Nyambala
Member



Eng. Christine Ogut
Member



Erick Obiero
Member



Eng. Prof. Emmanuel Kipkorir
Member



Eng. Godfrey Marambe
Member



Godfrey Nyandega
Member



Eng. James Mwangi
Member



Eng. Jennifer Gache
Member

Engineering a Post COVID-19 Future



27TH IEK INTERNATIONAL CONFERENCE

Engineering a
Post-COVID-19 Future



3RD
IEK WOMEN
ENGINEERS SUMMIT

PROGRAM- TUESDAY 24 NOVEMBER

8.00	Arrival & Registration
	Master of Ceremony Eng. Nancy Abira
9.00	Eng. Christine A. Ogut , Chair Women Engineers Chapter, Institution of Engineers of Kenya
9.10	Eng. Margaret Ogai, Hon. Secretary, Institution of Engineers of Kenya
9.20	Eng. Lucy Wanjiku Mutinda, 1st Vice President, Institution of Engineers of Kenya
9.30	Eng. Erastus Mwongera, Chair Engineers Board of Kenya
9.45	Eng. Nathaniel Matalanga, President of Institution of Engineers of Kenya, Council Member World Federation of Engineering Organizations
10.00	Opening Address - Dr. Marlene Kanga, Immediate Past President World Federation of Engineering Organizations
10.30	Photo Session
10.40	Health Break

11.00 Key Note 1

Climbing Corporate Leadership



Eng. Yetunde Holloway,
Vice President & Chair
Women in Engineering-
Federation of African
Engineering Organizations
(WIE-FAEO)

11.30 Key Note 2

Procurement and Access to Government Procurement Opportunities (AGPO)



Rose Ndirangu
Principal Officer, Advisory
and Technical Support, Public
Procurement Regulatory
Authority

12.00 Key Note 3

Personal Branding Strategy



Kentice Tikolo OGW,
FPRSK, Strategic PR
& Communications
Consultant

12.30 Key Note 4

Smart Cities and Intelligent Infrastructure



Dr. Romanus Opiyo,
Research Fellow,
Stockholm Environment
Institute

1.00 Lunch

2.00 - 2.20pm



Creating Impact in your Workplace and Beyond

Eng. Joan Otiike, Assistant Director (Structures)

Highway Planning and Design Directorate, Kenya National Highways Authority

2.20pm | Panel Discussion 1

The Role of Women Engineers Post Covid-19



Moderator-

Eng. Nancy Abira MIEK-
Road Safety Engineer,
TIMCON Associates, Kenya.



Emily Claire Sebalamu,

Electronics &
Telecommunications
Engineer

Project Manager-
CiSco Systems GmbH,
Germany



Dr. Andriannah Mbandi,

Chemical Engineer

Research Fellow,
Stockholm Environment
Institute



Eng. Rovani Sigamoney,

Chemical/Environmental
Engineer

UNESCO Engineering
Programme, HQ Paris



Eng. Grace Kagundu,

Civil Engineer

Chair, Capacity
Building/CSR Covid
Response Fund IEK

3.20 pm | Panel Discussion 2

Taking Challenges as Opportunities



Moderator

Eng. Linda Otieno
MIEK – CEO IEK



Prof. Faith Karanja,
(MISK), LS(K),

Geo-Spatial Engineer

Chair Department of
Geospatial & Space
Technology, School
of Engineering,
University of Nairobi



Chaltu Marta,

Electrical and
Electronics Engineering

Technical Sales
Engineer- W. Gierstsen
Energy, Kenya



Dr. Gladys Chepkiriu
Ngetich,

Aerospace Engineer

Post Doctoral Fellow
MIT, USA- Mechanical/
Aerospace Engineering



Amelea Omollo ,

Aeronautical Engineer

Aviation Officer with
UNHAS in Khartoum

CLOSING CEREMONY

4.20



Resolutions & Way Forward- Eng. Grace Kagundu, Chair Capacity Building & Mentorship, Institution of Engineers of Kenya

4.40



Vote of Thanks-Eng. Jennifer Gache , Industrial Development Advisor, East African Community Secretariat

4.50

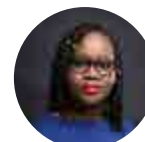


Closing Remarks, Eng. Nathaniel Matalanga, President IEK, Council Member WFEO

5.10

Health Break

5.30



Zumba – Eng. Nancy Abira

7.00



Cocktail – Sammy Njoroge, SOC & NOC Manager - Liquid Telecom East Africa Region