

ICoRCE 2022

NCA's Premier Event

4th International Construction Research Conference and Exhibition, Sawela Hotel, Moi Drive, Naivasha, Nakuru County.

ICoRCE 2022

8th - 9th June

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Official Partners & Sponsors

Learn from the experts who are proven business leaders, strategist, Practitioners and well respected Industry Leaders

WELCOME MESSAGE



On behalf of the National Construction Authority, it is our pleasure to welcome you all – the built environment stakeholders; that is professionals, scholars, researchers, manufacturers, regulators, partners and all represented entities to this signature event - the fourth International Construction research conference and exhibition (ICoRCE 2022). ICoRCE 2022 will be happening in Sawela Lodge, Naivasha, Nakuru County, Kenya on 8th & 9th June 2022.

Building on the success of previous conferences held in 2015, 2016 and 2018, the theme for 2022 is "**Transformation for a Sustainable, Innovative and Resilient Construction Industry**". We are in a time of great innovation across sectors occasioned by the impact of the Covid-19 pandemic. The Construction industry has experienced a dynamic growth pattern in the last decade with challenges and opportunities becoming strikingly clear.

The conference therefore provides a forum for all construction stakeholders to exchange ideas on how to further advance the development and management of construction so as to fulfill the needs of society and the end-users.

We would also like to express our sincere gratitude to the keynote guests, invited speakers and authors of all papers whose contribution have made this conference possible. Our thanks goes to all those who have devoted their time, resources and effort in the planning of this conference.

Hope you all have a pleasant stay and fruitful exchange in Naivasha, Nakuru County.

Eng. Maurice Akech, MBS
Executive Director, NCA



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About ICoRCE

The International Construction Research Conference and Exhibition (ICoRCE) is the National Construction Authority's biennial flagship programme. ICoRCE plays an important role in the growth and development of research in the construction industry. ICoRCE previously ACoRCE was conceptualized in 2015 from which the first event dubbed ACoRCE 2015 was convened at KICC, Nairobi.

ICoRCE is anchored on the strategic need for the Authority to foster research and its dissemination in the construction industry in Kenya. This program provides a forum for the presentation of ideas on method and theory; a setting for delivery of current research data; a venue for caucuses, workshops, roundtables, and symposia on technical, social, or political issues; an opportunity for public education; and a place to socialize with one's colleagues. Each of these elements contributes to the vitality of the field through the dissemination and exchange of information and personal networking.

The ICoRCE legacy includes the cultivation of ongoing partnerships in the country bringing together all the disciplines (contractors, engineers, architects, quantity surveyors, building surveyors, environmentalists, financiers, developers etc.) that work together more effectively when interwoven to create a strong construction system. Working in many languages, across cultures, utilizing emerging technology and by remaining flexible ICoRCE helps in creating new policies and solutions for the challenges in the industry.

ICoRCE 2022 offers a unique opportunity to gather with those who face similar challenges in the construction industry. This conference is designed to provide a forum for examining the latest trends, sharing experiences and solutions, reviewing legislative and regulatory changes and considering the most effective strategies for delivering benefits to participants in the construction industry.

The 4th edition of the ICORCE will be held from 8th to 9th June, 2022 at the Sawela Lodge in Naivasha municipality – Nakuru. The theme for the event is: **"Transformation for a Sustainable, Innovative and Resilient Construction Industry."**

The Sub-Themes for the conference include:

1. Construction industry and COVID-19
2. Affordable Housing
3. Materials and Technologies
4. Construction and Healthcare
5. Local content in construction
6. Manufacturing in the Construction Industry
7. Digitalization of construction
8. Crosscutting issues

WHO SHOULD ATTEND?

Architects, designers, engineers, contractors, commercial and residential property owners and developers, surveyors, cost consultants, project managers, suppliers, service providers, government representatives and investors, Industry stakeholders etc. in the Construction industry.

WHY SHOULD YOU ATTEND?

01 Your Conference, your way

An organic cordially balanced audience of inventors, investors and innovators are waiting for you in this year's ICoRCE.

You can only learn so much from sitting and reading industry expert's blogs, whitepapers, books etc. You can learn a whole lot more from watching and interacting with those experts face to face. Attending the ICoRCE conference where experts are speaking will allow you to ask them all the burning questions you have. You can also ask for advice and possibly make a connection that you can take advantage of in the future. And you never know, attending a conference might help you on your way to becoming an expert yourself.

02 Generate constructive business leads in Kenya

Around the B2B meetings and networking corporate gala dinner.

Marketing to potential clients- If you are a B2B company, ICoRCE 2022 is a great way to market your business to potential clients. Speaking to people face to face who may need your products or services can be more effective than sending them an email or speaking over the phone. It allows you to show your passion for your business and directly answer any questions they may have.

03 Generate constructive business leads in Kenya

It is probable that the other delegates at a conference are not that dissimilar from you.

The 2022 Research Conference provides an environment that allows you to easily chat to new people, as they offer numerous opportunities to speak to other delegates. You already have something in common, deciding to attend the same conference, as well as an interest in the conference agenda.

04 Orchestrated Interactions

Direct engagement with agencies affiliated with the construction industry

Hear from the experts- Our speakers are proven business leaders, strategist practitioners and peers. Many of them are current industry professionals; others are well-respected industry leaders who know what you need to know. Our selection process for speakers is as rigorous as you'll find anywhere, and we make sure that you're hearing from the best. You'll get a solid grounding in tried-and-true construction fundamentals and unique insight into the innovative new practices that will change how the world does business.

05 Showcase your products, services or developments:

At the exhibition space

The conference/exhibition will provide a platform to improve the capacity and competitiveness of the local construction enterprises (contractors, consultants and informal sector) through knowledge sharing and access to information from the stakeholders, to promote application of cost effective and innovative technologies and practices to support socio-economic development activities such as road works, water supply, sanitation, shelter delivery and income generating activities, to ensure application of practices, technologies and products which are not harmful to both the environment and human health and improve

co-ordination, collaboration and performance of the institutions supporting the development and performance of the construction industry.

06 Broaden your reach

Interact with over 500 physical and virtual visitors.

Meet with new vendors and suppliers- Our exhibitors are industry experts and solution-providers who truly what is happening in the world of construction and business - and they have answers to your questions. Invest time the exposition hall -our vendors are some of the best people for you to get to know if you want to learn more about what's happening in the construction industry now - and what's going to happen in the future. Trust us: discovering innovative products and services is necessary to stay competitive in today's business

07 Keep up with the trends in construction

Learn from the experts and learn credibility among peers.

Knowing what the latest news and trends are in your industry is key to ensuring you stay ahead of the curve and don't fall behind the pack. ICoRCE 2022 introduces you to new trends that have recently come on the scene, placing you ahead of everyone.

NCA Artisan Training week

Onsite training for construction supervisors and skilled construction workers by NCA

Topics:

- 1) Regulatory requirements for compliant construction site
- 2) Entrepreneurship
- 3) Quality assurance on site

12th – 17th June, 2022

Coming to a construction site near you

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Theme: "Transformation for a Sustainable, Innovative and Resilient Construction Industry"

CONFERENCE PROGRAM

DAY ONE – 8th June, 2022

SESSION ONE – REGISTRATION AND WELCOMING		
TIME	ACTIVITY	SPEAKER/COORDINATOR
07.30 – 08.00	Registration	Secretariat
08.00 – 08.05	Welcoming by Master of Ceremony	Paul Gesora
08.05 – 08.10	Welcome Note: Executive Director – NCA	Eng. Maurice Akech, MBS
08.10 – 08.25	Keynote Address <i>"A Shift from Prescriptive to Performance-based Building Codes: A Case of the National Building Code 2022"</i>	Eng. Shammah Kiteme
08.25 – 08.40	Presentation: NCA <i>Status Report on Building failures in Kenya</i>	Qs. Susan Rutto
08.40 – 09.10	Keynote Address: NMS <i>"Synergy in Construction Project Regulation between National and County Governments"</i>	Qs. Moses Nyakiongora
09.10 – 09.45	Breakfast Panel <i>"A Well-Coordinated Regulatory Environment for the Construction Industry"</i>	Dr. Noel Okello, Qs. Moses Nyakiongora, Eng. Shammah Kiteme, Qs. Susan Rutto, Qs. Olivia Otieno (Moderator)
09.45 – 10.00	Platinum Sponsor's Speech	
10.00 – 10.30	TEA BREAK	

SESSION TWO – MID MORNING OPENING CEREMONY		
TIME	ACTIVITY	SPEAKER/COORDINATOR
10.30 – 10.40	Entertainment	Master of Ceremony
10.40 – 10.50	Welcome Note: GM – CR,T&CB, NCA	Qs. David Mathu
10.50 – 11.00	Welcome Note: Executive Director, NCA	Eng. Maurice Akech, MBS
11.00 – 11.10	Speech: Chair, Board of Directors, NCA	Qs. David Gaiho
11.10 – 11.30	Keynote Address: County Government of Nakuru <i>"Nurturing infrastructure projects in Nakuru Becoming a City"</i>	Governor
11.30 – 11.50	Keynote Address: Council of Governors <i>"Leveraging on the Technical Capacity for County Governments to Enforce Building Code"</i>	Chairperson
11.50 – 12.10	Speech: PS – State Department for Public Works	Mr. Solomon Kitungu, CBS
12.10 – 12.30	Speech: Chief Guest - Ministry of Transport, Infrastructure, Housing, Urban Development & Public Works	Cabinet Secretary
12.30 – 13.00	GUIDED TOUR OF EXHIBITIONS FOR CHIEF GUESTS AND DELEGATES	
13.00 – 14.00	LUNCH	

Theme: "Transformation for a Sustainable, Innovative and Resilient Construction Industry"

CONFERENCE PROGRAM

DAY ONE – 8th June, 2022

SESSION THREE – AFTERNOON

TIME	ACTIVITY	SPEAKER/COORDINATOR
14.00 – 14.20	Keynote Address: <i>"The Construction Industry's lines of effort in the Biological Threat Reduction Program"</i>	Arch. Caleb Mutali
14.20 – 14.40	Conference Paper 1 <i>Implementing Human Factors in the Building and Construction Industry in Kenya</i>	Arch. Teresa Odula
14.40 – 15.00	Conference Paper 2 <i>Sustainable Healthcare Design, Construction and Building Operations</i>	Dr. Eng. Millicent Alooh
15.00 – 15.20	Conference Paper 3 <i>Impact of COVID-19 on the construction and Building Industry Performance: A Case of Contractors in Kenya</i>	Arch. David Lagat
15.20 – 15.40	Conference Paper 4 <i>Impact of Sick Buildings on the Health and Wellbeing of Residents in Low Cost Apartment Buildings: A case Study in Nairobi Githurai 44</i>	Mr. Christian Owoko
15.40 – 16.20	Afternoon Panel <i>"Healthcare and the Built Environment: From Pathogenesis to Salutogenesis"</i>	Prof. George Nyabuga (Moderator) Arch. Caleb Mutali, Arch. Aliso Odinyo, Ms. Sheila Oduor,
16.20 – 16.30	Closing Remarks	CPA, James Kilonzi

HEALTH BREAK

One Stop Shop...

We are all in this together.

We want to have, a single point of entry so that anyone coming for service can get a complete picture.

Government needs to understand that picture, and the need to be able to offer its subjects quality service.

Jay Weatherill on Govt reforms.

Theme: "Transformation for a Sustainable, Innovative and Resilient Construction Industry"

CONFERENCE PROGRAM

DAY TWO – 9th June, 2022

SESSION FOUR – MORNING

TIME	ACTIVITY	SPEAKER/COORDINATOR
07.30 – 08.00	Registration	Secretariat
08.00 – 08.05	Welcoming Remarks	Qs. David Mathu
08.05 – 08.15	Opening Remarks	Eng. Peter Musango, NCA board
08.15 – 08.30	Keynote Address: RIB CCS South Africa <i>"Transformation and Digitalization of the Construction Industry"</i>	Qs. Fred Kichari
08.30 – 08.45	Conference Paper 5 <i>A Practitioner's Guide to Eco-Specific Impact Assessments of Building Construction Materials</i>	Ms. Cecilia Wandiga
08.45 – 09.00	Conference Paper 6 <i>BIM as Mediator between Development Control and Spatial Justice: A Participatory Approach for Nairobi City County</i>	Arch. Marylyn Musyimi
09.00 – 09.15	Keynote Address: EBK <i>"Digitalizing Regulation of Engineering Services"</i>	Eng. Margaret Ogai
09.15 – 09.30	Keynote Address: Huawei <i>"Construction Industry Leveraging on the Fourth Industrial Revolution for Quality Infrastructure"</i>	Mr. Stephen Kamuya
09.30 – 10.15	Breakfast Panel <i>"One Stop Shop in Construction Management for Construction Industry in Kenya"</i>	Prof. Jason Mochache (Moderator) Eng. Margaret Ogai, Qs. Fred Kichari, Arch. Marylyn Musyimi, Ms. Cecilia Wandiga, Mr. Stephen Kamuya
10.15 – 10.30	Silver Sponsor's Speech: Safal Group Limited	Mr. Steve Kiruhi
10.30 – 11.00	TEA BREAK	

Future thinking.....

"You never let a serious crisis go to waste. And what I mean by that it's an opportunity to do things you think you could not do before. So, is it possible to consider this crisis from another perspective and identify opportunities for our industry to learn, to improve, and to better prepare for the future?"

*American politician Rahm Emanuel's famous quote
from the 2008 financial crash*

Theme: "Transformation for a Sustainable, Innovative and Resilient Construction Industry"

CONFERENCE PROGRAM

DAY TWO – 9th June, 2022

SESSION FIVE – MID-MORNING

TIME	ACTIVITY	SPEAKER/COORDINATOR
11.00 – 11.05	Entertainment by Master of Ceremony	Mr. Paul Gesora
11.05 – 11.20	Conference Paper 7 <i>Contributions of influencing factors to Compliance Levels with NCA Regulations</i>	Wyclise Okang'a Owino
11.20 – 11.35	Conference Paper 8 <i>Mitigating challenges in the implementation of the one stop shop model for approval of construction projects in Kenya (A case of Nairobi City County)</i>	Muoki Paul Wambua
11.35 – 11.50	Conference Paper 9 <i>Applicability of Public Private Partnerships in Development of affordable Urban Housing in Kenya</i>	Dr. Daniel Mutegi Giti
11.50 – 12.15	Keynote Address: NDOU <i>"Disaster management: Key component in infrastructure projects design in Kenya"</i>	Col (Rtd) Charles Owino
12.15 – 12.30	Keynote Address: KRB <i>"The Status of Kenya's Roads: Dynamics of the Present and the Future"</i>	Eng. Alphonse Odera
12.30 – 12.55	Keynote Address: Safal Group <i>"Navigating the Rising Cost of Steel whilst Ensuring Quality Infrastructure"</i>	Mr. Henry Njagi
12.55 – 13.05	Plenary Session (Q&A)	Col. (Rtd). Charles Owino, Dr. Daniel Mutegi, Eng. Alphonse Odera, Mr. Wyclise Owino, Mr. Paul Wambua, Eng. Stephen Nyakondo (Moderator)
13.05 – 13.15	Gold Sponsor's Speech:	
13.10 – 14.00	LUNCH	

SESSION SIX (A) – AFTERNOON

TIME	ACTIVITY	SPEAKER/COORDINATOR
14.00 – 14.30	Keynote Address: KPDA	Ms. Eva Muraya
14.30 – 15.55	Presentation: WIRE <i>"Research on Women in Construction"</i>	Ms. Robyn Emerson
14.55 – 15.30	Plenary Session <i>"Women in the Construction Industry"</i>	Prof. Esther Obonyo, Eng. Margaret Ogai, Ms. Eva Muraya, Ms. Robyn Emerson, Ms. Claire Anami (Moderator)
15.30 – 15.45	Plenary (Q/A)	
15.45 – 16.00	Closing Speech	Adv. Mercy Okiro, NCA Board, Vice Chairperson

Theme: "Transformation for a Sustainable, Innovative and Resilient Construction Industry"

CONFERENCE PROGRAM

DAY TWO – 9th June, 2022

SESSION SIX (B) – AFTERNOON

TIME	ACTIVITY	SPEAKER/COORDINATOR
14.00 – 14.30	Keynote Address: Autodesk	Mr. Peter Onger
14.30 – 14.45	Plenary Session: <i>Digitalizing construction for effective industry regulation</i>	Prof. Benard Mugwima (Moderator) , Qs. Fred Kichari, Mr. Peter Onger, Ms. Fiona Asonga, Mr. Linus Wahome, Mr. Adam Lane,
15.45 – 15.30	Plenary (Q/A)	
13.30 – 15.45	Closing Speech	Eng. Stephen Nyakondo

HEALTH BREAK

SESSION SIX (C) – AFTERNOON

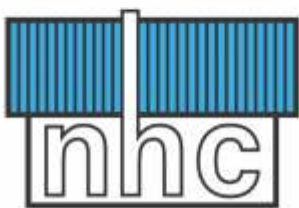
TIME	ACTIVITY	SPEAKER/COORDINATOR
14.00 – 14.30	Keynote Address <i>"The Making of a City"</i>	Dr. Arch. Munywa Mwaura
14.30 – 15.45	Panel Session	Prof. Jason Mochache (Moderator) , Dr. Rose Musyoka, Dr. Musyimi Mbathi, Dr. Munyua Mwaura, Mr. Justin Mayaka Nyaroo,
15.45 – 16.10	Plenary (Q/A)	
16.10 – 16.15	Closing Remarks	Qs. David Mathu

HEALTH BREAK

GALA DINNER PROGRAM

TIME	ACTIVITY	SPEAKER/COORDINATOR
19.00 – 19.10	Arrival of Guests	Secretariat
19.10 – 19.15	Welcoming Remarks	Master of Ceremony
19.15 – 19.30	Platinum Sponsor Remarks	
19.30 – 19.45	Remarks: Conference Chair	Eng. Raymond Karani
19.45 – 20.00	Speech: Executive Director, NCA	Eng. Maurice Akech, MBS
20.00 – 20.10	Speech: Chairperson, NCA Board	Qs. David Gaitho
20.10 – 20.45	Award Ceremony	Chief Guest
20.45 – 20.55	Vote of Thanks	Qs. David Maithu
21.00	GUESTS LEAVE AT THEIR PLEASURE	

OFFICIAL PARTNERS AND SPONSORS



CONFERENCE INFORMATION

REGISTRATION DETAILS

Conference Charges

DELEGATE (PHYSICAL ATTENDANCE) REGISTRATION FEE

- East African Citizens - Ksh. 15,000
- International Citizens - Ksh. 25,000
- Students - Ksh. 5,000

CORPORATE PACKAGES

- A team of 8pax - kshs 100,000
- A team of 4pax - kshs 55,000

VIRTUAL ATTENDANCE

- All participants - Ksh. 10,000

To register visit: www.icorce.go.ke

NOTE:

This conference has been approved as Continuous Professional Development (CPD) event by the following institutions;

1. Engineers Board of Kenya (EBK)
2. Board of Registration of Architects and Quantity`Surveyors (BORAQs)
3. National Construction authority (NCA)

Participants are expected to attend wholly all the sessions in order to receive full credits from above mentioned organizations.

Want to join the construction industry?

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8 - 9 June, 2022



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Sawela Lodge, Naivasha