

**UNIVERSITY OF NAIROBI**  
**DEPARTMENT OF ARCHITECTURE**  
**10<sup>TH</sup> ANNUAL EAST AFRICA ARCHITECTURE WORKSHOP & EXHIBITION**  
**SUSTAINABLE ARCHITECTURE: HARNESSING DESIGN SOLUTIONS FOR**  
**CLIMATE CHANGE MITIGATION**

<b>DAY 1: WEDNESDAY, 4<sup>th</sup> October 2023, Venue: A.D.D. Building - 2<sup>ND</sup> FLOOR/ Level 4</b>	
<b>MORNING SESSION</b>	
8:00 - 8:30 AM	<b>Registration</b>
Session Chair	Prof. Lilac Osanjo, <i>Dean, Faculty of the Built Environment &amp; Design</i>
8:30 - 8:55 AM	<b>Official opening Remarks:</b> Prof. Stephen Kiama, <i>Vice Chancellor, University of Nairobi</i>
8:55 - 9:20 AM	<b>Official opening &amp; Key Note Address:</b> Mr. Mwaura Hinga, <i>PS, Housing &amp; Urban Development, State Department for Housing &amp; Urban Development</i>
9:20 - 9:45 AM	Background Presentation: Prof. P. Ngau, <i>Former Principal, College of Architecture &amp; Engineering, University of Nairobi</i>
9:45 - 10:00 AM	Discussant: Prof. Tom J.C. Anyamba, <i>University of Nairobi</i>
10:00 - 10:15 AM	<b>Plenary Discussion</b>
Rapporteur	Arch. Samantha Ponda, <i>University of Nairobi</i>
10:15 - 10:45 AM	<b>TEA BREAK</b>
<b>MID MORNING SESSION</b>	
Session Chairman	Arch. Philip Kungu, <i>Otieno &amp; Kungu Associates</i>
10:45 - 11:15 AM	<b>Triad Architects at 60 years: Challenges and Opportunities</b> Speakers: Triad Architects
11:15 - 11:30 AM	Discussant : Arch. F. G. Mungai, <i>AAKI Consultants</i>
11:30 - 12:00 Noon	<b>The Future of Buildings in a World Currently Experiencing CLIMATE CHANGE</b> Speaker: Arch. Musau Kimeu, <i>University of Nairobi</i>
12:00 - 12:15 PM	Discussant : Dr. Linda Nkatha, <i>University of Nairobi</i>
12:15 - 12:45 PM	<b>Potential Application of Green Facades in Nairobi's Commercial Buildings</b> Speakers: Abigael Jebichi & Franklin Mwango, <i>Kenyatta University</i>
12:45 - 1:00 PM	Discussant : Arch. Peter Njeru, <i>University of Nairobi</i>
1:00 -1:15 PM	<b>Plenary Discussion</b>
Rapporteur	Arch. Nzilani Mbai assisted by Arch. Christine Yegon, <i>University of Nairobi</i>
1:15 - 2:00 PM	<b>LUNCH</b>
<b>AFTERNOON SESSION</b>	
Session Chairman	Dr. Isabella Njeri Wachira Towey, <i>Education Board, BORAQS &amp; University of Nairobi</i>
2.00 - 2.30 PM	<b>Thermal Comfort in Urban Open Spaces: A Case of Nairobi</b> Speakers: Regina Kasau, <i>Kenyatta University</i> and Arch. Musau Kimeu, <i>University of Nairobi</i>
2.30 - 2.40 PM	Discussant: Arch. Juma Oino, <i>JKUAT</i>
2.40 - 3.10 PM	<b>Contributions of the Informal Sector to Municipal Solid Waste Management in Nairobi County: A Case Study of Woodley and Makina Wards in Kibra Sub-County</b> Speakers: Dr. Anthony Ralwala, Dr. Margaret Macharia, Planner Sylvester Kasuku, Osewe Vincent Onyango, Evans Kiprono Chepkole and Michael Njuguna Nene - <i>University of Nairobi</i>
3.10 - 3.20 PM	Discussant: Prof. J. Magutu, <i>University of Nairobi</i>
3:20 - 3:50 PM	<b>Sustainable Cities and Communities: The Case for Konza Technopolis</b> Speaker: Arch. Annah Musyimi, <i>Konza Technopolis</i>
3:50 - 4:00 PM	Discussant: Arch. Erastus Abonyo, <i>University of Nairobi</i>
4:00 - 4:30 PM	<b>Building Management Systems as a means for Mitigating Climate Change</b> Speaker: Arch. Marylyn Musyimi, <i>JKUAT</i>
4:30 - 4:40 PM	Discussant: Dr. Martin Mbidhi, <i>JKUAT</i>
4:40 - 5:00 PM	<b>Plenary Discussion</b>
Rapporteur	Arch. Peninah Mutonga assisted by Arch. David Kibera, <i>University of Nairobi</i>
5.00 - 6.00 PM	<b>TEA BREAK</b>

**UNIVERSITY OF NAIROBI**  
**DEPARTMENT OF ARCHITECTURE**  
**10<sup>TH</sup> ANNUAL EAST AFRICA ARCHITECTURE WORKSHOP & EXHIBITION**  
**SUSTAINABLE ARCHITECTURE: HARNESSING DESIGN SOLUTIONS FOR**  
**CLIMATE CHANGE MITIGATION**

**DAY 2: THURSDAY, 5<sup>TH</sup> October 2023, Venue: A.D.D. Building - 2<sup>ND</sup> FLOOR/ Level 4**

**MORNING SESSION**

8:00 – 8:25 AM	<b>Registration</b>
Session Chair	Arch. Nathan Kureba, <i>Former Chief Architect / Former Chairman, BORAQS</i>
8:25 - 8:50 AM	<b>Acoustics: The Missing Piece of Sustainable Indoor Environmental Quality</b>
	Speaker: Arch. Daniel Too, <i>University of Nairobi</i>
8:50 - 9:00 AM	Discussant : Dr. Joseph Mukeku, <i>University of Nairobi</i>
9:00 - 9:25 AM	<b>Link between Air Pollution, Respiratory Health and City Infrastructure, Cooking and Indoor Air Pollution</b>
	Speaker: Arch. Duncan Wamugi Kariuki, <i>Technical University of Kenya (TUK)</i>
9:25 - 9:35 AM	Discussant: Arch. Gedion Olawo, <i>EDC Chapter, Architectural Association of Kenya</i>
9:35 - 10:00 AM	<b>A Reconsideration of Mental Health Enhancing Features of the Urban Built Environment at a disaggregate level</b>
	Speakers: Arch. Michael Barry Onyoyo, Dr. Linda Nkatha Gichuyia, Dr. Joseph Mukeku and Mwayo A., <i>University of Nairobi</i>
10:00 - 10:10 AM	Discussant: Arch. Caleb Mutali, <i>University of Nairobi</i>
10:10 - 10:25 AM	<b>Plenary Discussion</b>
Rapporteur	Arch. Asya Essajee assisted by Arch. Zahra Adan, <i>University of Nairobi</i>
10:25 - 11:00 AM	<b>TEA BREAK</b>

**MID MORNING SESSION**

Session Chair	Arch. Aidah Munano, <i>Kenyatta University</i>
11:00 - 11:25 AM	<b>Environmental Awareness and Competence in Amelioration of the Built Environment</b>
	Speakers: Judy Kebenei and Rayhab Elnaggar, <i>Kenyatta University</i>
11:25 - 11:35 AM	Discussant: Dr. Anthony Ralwala, <i>University of Nairobi</i>
11:35 - 12:00 PM	<b>Integration of Wind Catchers in High-rise Residential Developments in Warm Humid Climates</b>
	Speakers: Arch. Samantha Ponda, Arch. Asya Essajee and Arch. Zahra Adan
12:00 - 12:10 PM	Arch. Musau Kimeu, <i>University of Nairobi</i>
12:10 - 12:35 PM	<b>Overcoming Limitations in Widespread use of Adobe in Construction in Kenya: Case Study of Kenyatta University Main Campus, Kiambu County</b>
	Speaker: Caleb Wemali, <i>Kenyatta University</i>
12:35 - 1:45 PM	Discussant: Prof. Laban Shihembetsa, <i>University of Nairobi</i>
12:45 - 1:00 PM	<b>Plenary Discussion</b>
Rapporteur	Arch. Mumbi Maina assisted by L/Arch. Julie Nyambura Wanjohi, <i>University of Nairobi</i>
1:00 - 2:00 PM	<b>LUNCH</b>

**AFTERNOON SESSION**

Session Chair	Dr. Kalandar Khan, <i>Technical University of Mombasa (TUM)</i>
2:00 - 2:25 PM	<b>Covid 19 Response in Kenya's Informal Settlements: Demand, Supply, and Policy Recommendations</b>
	Speakers: Alfred Omenya, <i>Kenyatta University</i>
2:25 - 2:35 PM	Discussant: Prof. Robert Rukwaro, <i>University of Nairobi</i>
2:35 - 3:00 PM	<b>Advancing Social Equity and Community Engagement through the Integrated and Inclusive Infrastructure Framework (3iF) for Kenya</b>
	Speakers: <i>Kounkuey Design Initiative (KDI), AAK, Akiba Mashinani Trust, Arup E.A., UCL - Engineering for International Development Centre, Michelle Ouma</i>
3:00 - 3:10 PM	Discussant: Dr. Joseph Kedogo, <i>Technical University of Kenya (TUK)</i>
Rapporteur	Arch. Victor Mahinda, assisted by Arch. Daniel Too, <i>University of Nairobi</i>

**UNIVERSITY OF NAIROBI**  
**DEPARTMENT OF ARCHITECTURE**  
**10<sup>TH</sup> ANNUAL EAST AFRICA ARCHITECTURE WORKSHOP & EXHIBITION**  
**SUSTAINABLE ARCHITECTURE: HARNESSING DESIGN SOLUTIONS FOR**  
**CLIMATE CHANGE MITIGATION**

<b>PANEL DISCUSSION</b>	
<b>TOPIC: SUSTAINABLE ARCHITECTURE, AFFORDABLE HOUSING &amp; CLIMATE CHANGE</b>	
<b>Session Moderator</b>	Arch. James Gitoho, <i>Triad Architects</i>
3:10 - 4:10 PM	Panelists: Dr. Vincent Kitio, <i>Chief, Urban Energy Unit, UN-Habitat</i> Arch. James Kaniaru, <i>CEO, Heri Limited</i> Arch. Musau Kimeu, <i>University of Nairobi</i> Dr. Joseph Mukeku, <i>University of Nairobi</i> Arch. Julius Kipketer, <i>Tej Architects</i> Arch. Florence Nyole, <i>President, Architectural Association of Kenya</i> Arch. Sylvester Muli, <i>Chairman, BORAQS</i> Arch. Lawrence Mochama, <i>Chief Architect, State Department of Public Works</i>
4:10 - 4:40 PM	<b>Resolutions:</b> Rapporteurs
Session Chairman	Arch. Musau Kimeu, <i>Chairman, Department of Architecture</i>
4:40 - 5:00 PM	<b>Closing Remarks:</b> QS. Nicholas Mutua, <i>Works Secretary, State Department for Public Works</i>
5:00 - 6:00 PM	<b>TEA BREAK</b>

**POSTER PRESENTATIONS**

1	<b>Sustainability: Attempts at Decarbonizing the Built Environment</b>
	Speaker: Christine Nzilani Mbai, <i>University of Nairobi</i>
2	<b>Data Management and Analysis for Sustainable Architecture: Harnessing Design Solutions for Climate Change Mitigation</b>
	Speaker: Joseph Esau, <i>University of Nairobi</i>
3	<b>Manifestations, Enablers and Inhibitors of Vernacular Architecture of the Pokomo People of Kenya</b>
	Speakers: Eunice Mwaka, <i>Kenyatta University</i>
4	<b>Regional Cultural Influences in the Traditional Architecture in the Kerio Valley, Kenya: Case Studies of the Pokot, the Marakwet and the Keiyo People</b>
	Speakers: Weldon Kimutai, Judy Kebenei, <i>Kenyatta University</i>
5	<b>Healing and Therapeutic Spaces in Nairobi Hospitals: Case studies of Kenyatta National Hospital and Aga Khan Hospital, Nairobi</b>
	Speakers: Sylvia Namatsi & Robinson Manguro, <i>Kenyatta University</i>

Chief Rapporteur: Dr. Anthony Ralwala

Event Coordinators: Arch. Norbert Musyoki  
Arch. Adnan Mwakulomba  
Arch. Musau Kimeu, CHAIRMAN, Department of Architecture