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**MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**16TH INTERNATIONAL MULTI-DISCIPLINARY VIRTUAL CONFERENCE**

**THEME**

***Climate change: Impacts and Responses***

**PROGRAMME**

**WEDNESDAY, 14th – FRIDAY, 16th JUNE 2023**

OFFICIAL OPENING AND KEYNOTE ADDRESS

DAY ONE**: WEDNESDAY, 14TH JUNE 2023**

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| **TIME** | | **ACTIVITY** | **RESPONSIBLE** |
| **Chair of Session: Rev. Prof J. Achoka Rapporteur: Dr. David Barasa** | | | |
| 0800-0830 | Log-in and Registration | | Secretariat |
| 0830-0840 | Opening Prayer | | Rev. Dr. K. Muchanga |
|  | **OFFICIAL OPENING OF THE CONFERENCE** | |  |
| 0840 -0910 | **WELCOMING REMARKS**  **Prof. Peter Bukhala –** Director, Research and Postgraduate Support  **Prof. A. Ndiema** -Registar PR&I  **Prof. Charles Mutai** – Deputy Vice Chancellor (Planning, Research, and Innovation) | | Prof. Peter Bukhala |
| **Prof. Hussein S. A. Golicha** – Deputy Vice Chancellor (Academics & Students Affairs)  **Prof. John Kuria Thuo** – Deputy Vice Chancellor (Administration & Finance) | | Prof. C. Mutai - DVC (PRI) |
| 0910-1000 | **OPENING REMARKS**  **Prof. Solomon Shibairo***-* Vice Chancellor | | Prof. C. Mutai - DVC (PRI) |
| **Dr Pamela Sitienei** - Chairperson of Council | | Vice Chancellor, MMUST |
| **HE FCPA Fernandes Barasa – Govenor**  **Kakamega County Kenya** | | Chairperson of Council |
| 1000-1040 | **KEYNOTE SPEAKER:**  PRIME SECRETARY HON. DR. MUSALIA MUDAVADI  **TOPIC:** KENYA GOVERNMENT STRATEGY FOR COMBATING CLIMATE CHANGE | | |
|  | Group Virtual Photo/Break | | DCCM |
| **BREAKAWAY SESSIONS** | | | |
| **HALL ONE**  **SYMPOSIA 1**  **CLIMATE CHANGE AND GOVERNANCE** | | | |
| **Moderator: Prof. C. Iteo Rapporteur: Dr. Ayub** | | | |
| 1040-1110 | **Guest Speaker:** Prof. Josephine Ngaira -Masinde Muliro University of Science and Technology  **Topic:** The Burning Planet Earth: Where will Africa be in 2030? | | |
| 1110-1140 | **Guest speaker:** Dr. Cliff Ooga Obwogi - Researcher International Peace Support Training Centre, Karen  **Topic: C**limate change andsecurity in the horn of Africa Region | | |
| 1140-1210 | **Guest speaker:** Dr. Meleki Khayesi –WHO Geneva  **Topic:** What will it take to deliver low carbon transport system? | | |
| 1210-1240 | **Guest speaker:** Prof. David Monda -City University of New York'-  **Topic:** The politics of climate change | | |
| 1240-1310 | **PLENARY SESSION** | | |
| DAY 1 | **SYMPOSIA 2**  **CLIMATE CHANGE** **AND NATURAL RESOURCE MANAGEMENT** | | |
| **Moderator: Dr. V. Kiluva Rapporteur: Dr. P. Buhere** | | |
| 1310-1340 | **Guest Speaker:** Prof. Eng. Emmanuel C. Kipkorir- - Moi University:  **Topic:** Climate change and water resources management | | |
| 1340-1410 | **Guest Speaker:** Dr. Christopher Aura -(KEMFRI)  **Topic**: Exploitation of natural resources and climate change | | |
| 1410-1440 |  | | |
| 1440-1510 | **PLENARY SESSION** | | |
| DAY 1 | **SYMPOSIA 3**  **CLIMATE CHANGE** **AND INDIGENOUS KNOWLEDGE SYSTEMS** | | |
| **Moderator: Dr. L. Mandillah Rapporteur: Dr H. Agevi** | | |
| 1510-1540 | **Guest Speaker**: HE Dr. Wilber Ottichilo: -Governor Vhiga County, Kenya  **Topic:** Convergence of Indigenious Knowledge Systems and modern science in combatting climate change | | |
| 1540-1610 | **Guest Speaker**:Dr Dennis Masika:Maseno University  **Topic:** **U**sing traditional indigenous knowledge in coping and adaptation to climate change | | |
| 1610-1640 | **Guest Speaker**: Dr. Edward Mugalavai -Masinde Muliro University of Science and Technology  **Topic:** Role of indigenous knowledge in promoting pastoralism under the changing climate | | |
| 1640-1710 | **PLENARY SESSION** | | |
|  | **END OF DAY ONE** | | |

DAY TWO**: THURSDAY, 15th JUNE 2023**

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| **TIME** | | | **ACTIVITY** | **RESPONSIBLE** |
| **Moderator: Dr.R. Auma: Rapporteur: Dr. B. Mudogo** | | | | |
| 0800-0830 | | | Log-in and Registration | Secretariat |
| 0830-0910 | | | **KEYNOTE SPEAKER:**  HE GEORGE NATEMBEYA -GOVERNOR TRANSNZOIA COUNTY, KENYA  **TOPIC**: CLIMATE CHANGE, SECURITY AND GOVERNANCE | |
|  | | **BREAKAWAY SESSIONS** | | | |
| DAY 2 | **HALL ONE**  **SYMPOSIA 4:**  **CLIMATE CHANGE AND COMMUNICATION** | | | | |
| 0910-0940 | **Guest Speaker:** Prof. Aran Stibbe- University of Gloucestershire, UK  **Topic:** climate change and Language | | | | |
| 0940-1010 | **Guest speaker:** Dr. Chris Wasike- Masinde Muliro University of ST  **Topic:** The place of creative Arts in communicating climate change | | | | |
| 1010-1040 | **PLENARY SESSION** | | | | |
| DAY 2 | **SYMPOSIA 5:**  **TECHNOLOGY AND CLIMATE CHANGE** | | | | |
| **Moderator: Prof. Neyole: Rapporteur: Prof. A. Khaemba** | | | | |
| 1040-1110 | **Guest Speaker**: Prof. Franklin Wabwoba  **Topic:** Green Technology for climate change mitigation | | | | |
| 1110-1140 | **Guest Speaker:** Mr. Byron Anangwe: Business Development Manager, Esri Eastern Africa  **Topic:**  Monitoring Climate Change | | | | |
| 1140-1210 | **Guest Speaker:** Dr. Tom Musili – Computers for Schools Kenya  **Topic:** Computers for schools: E-Waste management for safe environment | | | | |
| 1210-1240 | **Guest Speaker:** Dr. Moses Akali: Director Resource Surveys and Remote Sensing  **Topic:** Deployment of technology for climate change induced disasters | | | | |
| 1240-1310 | **PLENARY SESSION** | | | | |
| DAY 2 | **SYMPOSIA 6:**  **CLIMATE CHANGE AND ENVIRONMENTAL PROTECTION** | | | | |
| **Moderator: Prof. W. Shivoga Rapporteur: Dr. A. Okoth** | | | | |
| 1310-1340 | **Guest Speaker:** Dr. Patricia Mwangi – Kenyattta University  **Topic:** Developing Smart cities to combat climate change | | | | |
| 1340-1410 | **Guest Speaker:** Mr. James Metto Kenya Electricity Generating Company–  **Topic:** Renewable energy for climate change mitigation | | | | |
| 1410-1440 | **Guest Speaker:** Prof. Josiah Munda –Tswane University of Technology  **Topic:** Renewable energy contribution in climate change mitigation | | | | |
| 1440-1510 | **PLENARY SESSION** | | | | |
| DAY 2 | **SYMPOSIA 7**    **CLIMATE CHANGE AND SECURITY** | | | | |
| **Moderator: Prof. J. Ndiku Rapporteur: Dr. D. Ochieno** | | | | |
| 1510-1540 | **Guest Speaker:** Prof. Mary Abukutsa –Jomo Kenyatta University of Applied Technology  **Topic:** Smart Agriculture for food security | | | | |
| 1540-1610 | **Guest Speaker:** Mr. Paul Kiprono Langat-Western Region Police Commander:  **Topic:** Climate change and human conflicts | | | | |
| 1610-1640 | **Guest Speaker:** Prof. Johanna Jacobi -ETH Zurich  **Topic:** Agroforestry, agroecology and climate change | | | | |
| 1640-1710 | **PLENARY SESSION** | | | | |
|  | **END OF DAY TWO** | | | | |

DAY THREE: FRIYDAY, 16th JUNE 2023

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| **TIME** | | | **ACTIVITY** | **RESPONSIBLE** |
| **Moderator: Prof. R. Egessa Rapporteur: Dr. U. Ali** | | | | |
| 0800-0830 | | | Log-in and Registration | Secretariat |
| 0830-0910 | | | **KEYNOTE SPEAKER**  DR. JAMES MWANGI – CEO EQUITY BANK  **TOPIC:**  FINANCING CLIMATE CHANGE | |
|  | | **BREAKAWAY SESSIONS** | | |
| DAY 3 | **HALL ONE**  **SYMPOSIA 8**  **FINANCING CLIMATE CHANGE** | | | |
| 0910-0940 | **Guest Speaker:** Prof. Onesmus Ayaya- University of Limpopo  **Topic:** Who should pay for global impacts of climate change? | | | |
| 0940-1010 | **Guest Speaker:** Mr. George Tarus- Ministry of Environment, Climate Change and Forestry  **Topic:** Carbon Credit Financing | | | |
| 1010-1040 | **TBA** | | | |
| 1040-1110 | **PLENARY SESSION** | | | |
| DAY 3 | **SYMPOSIA 9**  **CLIMATE CHANGE AND VULNERABLE POPULATIONS** | | | |
| **Moderator: Dr. E. Okaya Rapporteur: Dr. R. Opiyo** | | | |
| 1110-11400 | **Guest speaker:** Rongedzayi Fambasayi: Play Africa  **Topic:**  Impact of climate change on Children | | | |
| 1140-1210 | **Guest speaker:** Prof. Julius Huho- Garrisa University  **Topic:**  Gender transformative practices and climate change | | | |
| 1210-1240 | **Guest speaker:** Dr. Phitalis Masakhwe Were **–**County government of Kakamega  **Topic:**  Impact of climate change on People living with disabilities | | | |
| 1240-1310 | **PLENARY SESSION** | | | |
| DAY 3 | **SYMPOSIA 10**  **HEALTH AND CLIMATE CHANGE** | | | |
| **Moderator: Dr. T. Sum Rapporteur: Dr. C. Wanjala** | | | |
| 1310-1340 | **Guest speaker: Dr.** Bernard Wesonga –Ministry of Health County government of Kakamega  **Topic:**  Greening health | | | |
| 1340-1410 | **Guest speaker**: Prof. Paavo Leppanen-. University of Jyväskylä, Finland  **Topic:** Climate change and health for People with disabilities | | | |
| 1410-1440 | **Guest speaker:** Adelaide Lusambili: Sheffield University, UK  **Topic:**  Global health dynamics and Climate change | | | |
| 1440-1510 | **Guest speaker**: Prof. Nathaniel Mofolo Sefako Makgatho Health Sciences University, SA  **Topic:** Climate change and primary health care in Africa: A scoping review | | | |
| 1510-1540 | **PLENARY SESSION** | | | |
| DAY 3 | **SYMPOSIA 11**    **CLIMATE CHANGE, RESEARCH, INNOVATION AND EDUCATION** | | | |
| **Moderator: Dr. C. Aurah Rapporteur: Dr. C. Wekullo** | | | |
| 1540-1610 | **Guest Speaker:** Prof. Mugatsia Tsingalia- Masinde Muliro University of Science & Technology, Kenya  **Topic:** Research Capacity development for Climate Change Resilience | | | |
| 1610-1640 | **Guest Speaker:** Ms. Kuda Brandt:Namibia University of Science & Technology  **Topic** Science Communication for Climate change | | | |
| 1640-1710 | **Guest Speaker:** Dr. Christine Owinyi – Global Peace Educator  **Topic:** Environmental education for sustainable development | | | |
| 1710-1740 | **PLENARY SESSION** | | | |
| 1740-1810 | **CLOSING CEREMONY** | | | |

**SPECIAL THANKS TO:**

Chief Guest

**Hon. Dr. Musalia Mudavadi**

Prime Cabinet Secretary

**HE FCPA Fernandes Barasa**

Govenor Kakamega County

**Dr. James Mwangi**

CEO Equity Bank

**Ms. Inger Anderson**

Executive Director UNEP

**HE Dr. Wilber Ottichilo**

Governor Vihiga County

**HE. George Natembeya**

Governor Trans Nzoia

**Dr Pamela Sitienei**

Chairperson of Council, MMUST

**Prof. Solomon Shibairo**

Vice Chancellor, MMUST, the Host

Keynote Speakers

Invited Guest Speakers

Invited Moderators and all the participants