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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