

### **COMMISSION FOR UNIVERSITY EDUCATION**

In collaboration with:

UNIVERSITIES AND RESEARCH INSTITUTIONS

## 1<sup>ST</sup> BIENNIAL CONFERENCE ON THE STATE OF HIGHER EDUCATION IN KENYA

Kenyatta University, Nairobi, Kenya.

22<sup>nd</sup> – 25<sup>th</sup> August 2016

Theme : "Quality University Research and Innovation"

# **CONFERENCE PROGRAMME**

### STATUS CONFERENCE ON HIGHER EDUCATION 21<sup>st</sup> AUGUST 2016: ARRIVAL OF GUESTS Coordinated by Commission for University Education

 $22^{ND} - 25^{th}$ , 2016

| Time             | DAY 1: MONDAY 22 <sup>ND</sup> AUGUST 2016  | EVENT MOVER      | VENUE           |
|------------------|---|------------------|-----------------|
| 07:00 –<br>08:00 | Registration  | Secretariat      |                 |
| 08:00 -          | Official Opening Programme  | Prof. David Some | KU Amphitheatre |
| 10:30            | Welcoming RemarksProf. Paul Wainaina, Ag. Vice chancellor, Kenyatta UniversityWelcoming Remarks & Invites other CEOs (5 Minutes each) |                  |                 |
|                  | Prof. David K. Some , Commission Secretary, CUE<br>Remarks: Dr. John Muraguri, KUCCPS   | _                |                 |
|                  | Remarks: Dr. Moses Rugutt, NACOSTI  | _                |                 |
|                  | Remarks: Dr. Kipkirui Lang'at, TVETA  |                  |                 |
|                  | Remarks: Mr. Charles Ringera, HELB  |                  |                 |
|                  | <b>Remarks :</b> <i>Prof. H. Thairu, Chairman, Commission for University Education</i>  |                  |                 |

| <b>Remarks :</b> <i>Prof. Collette Suda, Principal Secretary, Ministry of Education</i>        |  |                           |
|--|--|---------------------------|
| SPEECH & OFFICIAL OPENING OF THE CONFERENCE<br>DR. FRED O. MATIANG'I, Cabinet Secretary, MOEST | Eliza Mbatia (CUE) /Prof.<br>Grace Mbunyi (KU) | Outside KU<br>Amphitheatr |
| LAUNCH OF UNIVERSITY STATUS REPORT by Dr. Fred<br>Matiang'i, Cabinet Secretary, MOEST          |  |                           |
| Photo Session  | Eliza Mbatia/John<br>Mutethia, CUE             |                           |

|                  | Plenary Session 1: Keynote Addresses: Status of University Education  |  | KU-Amphitheatre |
|------------------|---|--|-----------------|
| 11:00 –<br>11:20 | <b>Dr. Eusebius Mukhwana, Deputy Commission Secretary, Planning</b><br><b>Research and Development, Commission for University Education</b><br>(CUE), Kenya: The State of University Education in Kenya | <b>Chair:</b> Prof. Henry Thairu,<br>Chairman Commission for<br>University Education,<br>Kenya |                 |
| 11:20 –<br>11:40 | <b>Prof. Alexander Lyambabaje, Executive Secretary, Inter-university</b><br><b>Council of East Africa:</b> <i>Higher Education in East Africa: Creating an</i><br><i>Educational Hub</i>                | Rapporteur: Dr. Peace<br>Agufana / Isaac Gathirwa,<br>CUE                                      |                 |
| 11:40 –<br>12:00 | <b>Prof. John Wood, Secretary General, Association of Commonwealth</b><br><b>Universities:</b> Envisioning a 21 <sup>st</sup> Century University: The Global<br>Perspective                             |  |                 |
| 12:00 –<br>12:20 | <b>Dr. Helmut Blumbach, Director, DAAD Regional Office for Africa,</b><br><b>Nairobi:</b> Internationalization of Higher Education: The case of Kenya-<br>Germany                                       |  |                 |
| 12:20 –<br>13:00 | <b>Plenary Discussion on Keynote Addresses - Discussants:</b><br><i>Eusebius Mukhwana, Alexander Lyambabaje, John Wood, Helmut Blumbach</i>   |  |                 |
|                  | DAY 1: Lunch Break  |  | ·               |

|                  | Plenary Session 2: Role of Research in Policy Making and National<br>Development  |  | KU Amphitheatre |  |
|------------------|---|--|-----------------|--|
| 14:00 –<br>14:20 | Dr. Onu Ogbonaya, Minister of Science & Technology, Nigeria –<br>Session Keynote Speaker: Translating Research into innovations   |  |                 |  |
| 14:20 –<br>14:40 | <b>Prof. Peter M. F. Mbithi, VC, University of Nairobi -</b> <i>Building Globally Competitive Universities for Africa: experiences from the North and the South –</i> <b>Session lead speaker</b> | <b>Chair:</b> Prof. Prof. Ratemo<br>Michieka, University of<br>Nairobi |                 |  |
| 14:40 –<br>15:00 | Dr. Moses Ruggut, CEO, National Commission for Science,<br>Technology and Innovation (NACOSTI): Harnessing the potential of<br>Science, Technology and Innovation in Kenya                        |  |                 |  |
| 15:00 –<br>15:20 | <b>Prof. Ben Ozumba, VC , University of Nigeria, Nsukka – Session</b><br><b>Keynote Speaker:</b> <i>Transforming Africa's Development Agenda through</i><br><i>Research to Innovations</i>        |  |                 |  |
| 15:20 –<br>15:50 | <b>Dr. Kipkirui Langat, Director General, TVETA:</b> Linking Vocational Education with University Education in Kenya: Challenges and Opportunities  | Rapporteur: Hyrine<br>Matheka /' Angela<br>Nyang'era, CUE              |                 |  |
| 15:50 –<br>16:30 | Plenary Discussion on Keynote Addresses - Discussants:<br>Onu Ogbonaya, Peter M. Mbithi, Moses Rugutt, Ben Ozumba,, Kipkirui<br>Langat  |  |                 |  |
| 16.30-17.30      | Visit to exhibitions/Posters  |  |                 |  |
|                  | Health Break & End of Day 1   |  |                 |  |

| 18:00- 20:00 | THOMSON REUTERS OEPENING DINNER AT KENYATTA | Coordinator: Prof. Grace | KUCC – Open |
|--------------|---|--------------------------|-------------|
|              | UNIVERSITY                                  | Bunyi (KU) and Prof      | Ground      |
|              |   | (CUE)                    |             |

| Time             | DAY 2: TUESDAY 23 <sup>RD</sup> AUGUST 2016 | EVENT MOVER | VENUE |
|------------------|---|-------------|-------|
| 07:00 -<br>08:30 | Registration                                | Secretariat |       |

|                   | DAY 2 Plenary Session: Evolution and Status of Higher Education   |   | KU-Amphitheatre      |  |
|-------------------|---|---|----------------------|--|
| 08:30 –<br>08:50  | <b>Prof. Calestous Juma, Harvard University – Lead Speaker:</b> Global Competition in Higher Education: Lessons for Africa  | Chair: Prof. Francis Aduol<br>(VC Technical University<br>of Kenya)<br>Rapporteur: Dr. Lucy<br>Ogol, Kenya Institute of<br>Curriculum Development<br>(KICD) |                      |  |
| 08:50 –<br>09:10  | <b>Charles Ringera, CEO, Higher Education Loan Board (HELB), Kenya</b><br>– <b>Lead Speaker:</b> Sustainable Financing of Higher Education In Kenya:<br>Lessons and way forward for Africa. |   | Rapporteur: Dr. Lucy |  |
| 09:10 - 9:30      | <b>Prof. Harry Kaane, Ministry of Education Science and</b><br><b>Technology/Moi University - Lead Speaker:</b> History and Future of<br>Higher Education in Kenya                          |   |                      |  |
| 09:30 – 9:<br>50  | Mr. John Muraguri, CEO, KUCCPS – Lead Speaker: Evolution of the Placement service for students to Universities and Colleges in Kenya: Lessons and way forward for Africa                    |   |                      |  |
| 009:50 –<br>10:10 | Jeff Clovis, Thomson Reuters – Lead Speaker: From research to<br>innovation in Africa: Developing indicators to understand the translation of<br>academic research to innovation in Africa  |   |                      |  |
| 10:10:-<br>10:50  | Plenary Session Discussion 1 (Q & A) - Discussants:<br>Charles Ringera, Harry Kaane, John Muraguri and Jeff Clovis  |   |                      |  |
| 10:50-<br>11:20   | Health Break  |   |                      |  |

|                  | DAY 2 Morning Parallel Session 2.1: Assuring Quality in Higher<br>Education  |   | KU-BSCC 012 |
|------------------|--|---|-------------|
| 11:20 –<br>11:35 | <b>Prof. Anne Nangulu, Deputy Commission Secretary (Quality Audit &amp; Standards), CUE, - Session lead speaker:</b> <i>Quality Assurance in University Education in Kenya and Benchmarking with International Practices: The Role of Universities and Commission for University Education</i> | Chair: Prof K Kipngeno,<br>University of Kabianga<br>Rapporteur: Phyllis<br>Karimi / Monica |             |
| 11:35 –<br>11:50 | John P. Bwire, Kenyatta University (KU): The Place and Quality of<br>Parallel Programs in Institutions of Higher Learning: A Case for<br>Kenyatta University and St. Paul's University -   | Gachunga, CUE   |             |

| 11:50 –<br>12:05 | Arun Datta, Technical University of Kenya: Knowledge and Attitude of<br>Secondary School Students about TVET   |  |
|------------------|--|--|
| 12:05 –<br>12:20 | <b>Purity W. Muthima &amp; Edward Kanori, Kenyatta University &amp; UoN:</b><br>Demand Factors influencing Alternative mode of study: A Case of<br>University of Nairobi External Degree Programme |  |
| 12:20 –<br>12:35 | Alice Kande, J. Too & E. Mukhwana, Moi University: University<br>Funding in Kenya: Status, Challenges, effects on Quality and Prospects  |  |
| 12:35 –<br>13:05 | Parallel Session 2.1 Discussion of the presentations (Q & A)   |  |
| 13:05 –<br>14:00 | DAY 2: Lunch Break   |  |

|                  | DAY 2: Morning Parallel Session 2.2: Evolution and Status of Higher<br>Education 11   |  | KU-BSCC 014 |
|------------------|---|--|-------------|
| 11:20 –<br>11:40 | <b>Dr. Julius Jwan, CEO, KICD - Session Lead Speaker -</b> <i>Re-Aligning Higher Education Curriculum with the 21<sup>st</sup> Century</i>  | <b>Chair:</b> Prof. Simon<br>Onywere, Kenyatta<br>University |             |
| 11:40 –<br>12:00 | <b>Beatrice A. Bunyasi &amp; Paul K. Mbugua, Kenyatta University:</b><br>Accessibility to Higher Education by students with disabilities: The Case<br>of Kenyatta University        | Rapporteur: James<br>Kiarie/Hudson Nandokha,<br>CUE          |             |
| 12:00 –<br>12:15 | <b>K'Owino Isaac O. Masinde Muliro University of Science and</b><br><b>Technology (MMUST), Kenya,</b> <i>Health and Safety in The Kenya Higher</i><br><i>Education Institutions</i> |  |             |
| 12:15 –<br>12:30 | <b>Lillian C. Boit, Kenyatta University:</b> <i>Employability skills and job</i><br><i>opportunities for the Graduate: The Role of Higher Education Institutions</i>                |  |             |
| 12:30 –<br>12:45 | <b>Dr. Lucy Ogol, Kenya Institute of Curriculum Development (KICD):</b><br>Studying approaches among Technical Education students, Nairobi, Kenya                                   |  |             |
| 12:45 –<br>13:05 | Parallel Session 3 Discussion of the presentations (Q & A)  |  |             |

 13:05 –
 DAY 2: Lunch Break

 14:00
 DAY 2: Lunch Break

|                  | DAY 2: Morning Parallel Session 2.3: Quality of Post Graduate<br>Research and Training I  |  | KU-BSSC 280 |
|------------------|---|--|-------------|
| 11:20 –<br>11:40 | <b>Prof. Peter Ngure, APHRC Session lead Speaker:</b> Expanding The Africa Postgraduate Training Arena: lessons and way forward   | <b>Chair:</b> Prof. Vincent<br>Onywera, Kenyatta<br>University |             |
| 11:40 –<br>12:00 | <b>Prof. Ambassador. Ruthie Rono, USIU (A) – Session Lead Speaker</b> :<br><i>Quality of Post Graduate Research Training in Africa</i>  | Rapporteur: Sarah<br>Ooro/Elizabeth Onyango,<br>CUE            |             |
| 12:00 –<br>12:15 | <b>Peter A.M Mwaura, Kenyatta University:</b> Points of Concern in the Quality Standards of Academic Research in Kenya: Implication to University Research Pedagogy   |  |             |
| 12:15 –<br>12:30 | <b>Dorothy N. Kyalo, Angeline Sabina Mulwa &amp; Adeline M. Mbith,</b><br><b>University of Nairobi,</b> Research training in Africa: Re-Defining Post<br>Graduate mentoring for Quality Outcome in Higher Education |  |             |
| 12:30 –<br>12:45 | <b>Kebeya Hilda, Kenyatta University,</b> <i>Promoting Academic Integrity: A Survey of Selected Postgraduate Programs at Kenyatta University</i>  |  |             |
| 12:45 –<br>13:05 | Parallel Session 2.3 Discussion of the presentations (Q & A)  |  |             |
| 13:05 –<br>14:00 | DAY 2: Lunch Break  |  |             |

|                  | <b>DAY 2: Morning Parallel Session 2.4:</b> <i>Sustainability of Funding Education &amp; Research in Africa</i>   |   | KU-BSSC 281 |
|------------------|---|---|-------------|
| 11:20 –<br>11:40 | <b>Prof. Dr. F.W.O Aduol, Technical University of Kenya – Session Lead</b><br><b>Speaker -</b> Differentiated Unit Cost And Its Application: Potential Impact<br>On Kenya's Higher Education                                      | Chair: Prof. Francis<br>Wambalaba<br>Rapporteur: Dr. Benter |             |
| 11:40 –<br>12:00 | <b>Dr. Alex Ezeh, Executive Director, Executive Director of the African</b><br><b>Population and Health Research Center (APHRC) – Session Lead</b><br><b>Speaker:</b> Landscape of Research and Development in Africa: Challenges | Atieno, Technical<br>University of Kenya/Pius               |             |

|                  | and Opportunities  | Walela, CUE |  |
|------------------|--|-------------|--|
| 12:00 –<br>12:15 | <b>Prof. Vincent O. Onywera, Kenyatta University:</b> Strategic Partnership for enhanced Research, Innovation and Uptake: The KIDSCAN Research Alliance  |             |  |
| 12:15 –<br>12:30 | <b>Rono Kiplangat &amp; Christopher Omusula, Kenyatta University,</b><br>Sustainable Funding of Science Based Courses: A Prerequisite to<br>Attainment of Technical Knowledge and Skills for Industrialized Africa |             |  |
| 12:30 –<br>12:45 | Muganda Manini and Umulkher Ali Abdillahi, MMUST: Sharia<br>Compliant Student Loan-Backed Securitization for Higher Education<br>Loans in Kenya  |             |  |
| 12:45 –<br>13:05 | Parallel Session 2.4 Discussion of the presentations (Q & A)   | -           |  |
| 13:05 –<br>14:00 | DAY 2: Lunch Break   |             |  |

|                  | DAY 2: Morning Parallel Session 2.5: <i>Building Sustainable Globally</i><br><i>Competitive Higher Education Institutions I</i>   |   | KU-BSSC 152 |
|------------------|---|---|-------------|
| 11:20 –<br>11:40 | <b>Prof Meoli Kashorda, KENET - Session lead speaker:</b> <i>Trends in</i><br><i>Training of Engineering students in Kenya: lessons for Reaching vision</i><br>2030                                       | Chair: Prof. Walter Oyawa   |             |
| 11:40 –<br>12:00 | <b>Prof Shem Wandiga, Centre for Science and Technology Innovations-<br/>Session lead speaker:</b> Forging Strategic Higher Education Linkages for<br>Development   | <b>Rapporteur:</b> Dr. Hussein<br>Ali, UMMA/Gertrude<br>Mabele, CUE |             |
| 12:00 –<br>12:15 | <b>Priscilla Wanjiku Ndegwa, Kenyatta University:</b> Effectiveness of<br>Performance Contracting Processes in Promoting Higher Education in<br>Universities in Kenya                                     |   |             |
| 12:15 –<br>12:30 | John O. Shiundu, James B. Ouda & Rose A. Opiyo, MMUST:<br>Governance in Higher Education: Leadership Prospects and Challenges of<br>Public Universities in Kenya  |   |             |
| 12:30 –<br>12:45 | Simon Onywere, Solomon Mwenda, Victor Okoth, Alex Asige and<br>Benson Mwangi, Kenyatta University: Kenyatta University's Journey<br>towards Empowering the University community with Spatial Thinking and |   |             |

|                  | Practical Skills for impact oriented problem solving         |  |
|------------------|--|--|
| 12:45 –<br>13:05 | Parallel Session 2.5 Discussion of the presentations (Q & A) |  |
| 13:05 –<br>14:00 | DAY 2: Lunch Break   |  |

|                  | <b>DAY 2: Morning Parallel Session 2.6:</b> <i>NICHE Session: Promoting</i><br><i>Quality University Education PhD Students Session, Sponsored by</i><br><i>NICHE Project</i> |   | KU-BSSC 273 |
|------------------|---|---|-------------|
| 11:00 –<br>11:15 | Gilbert Opanga: Tracking Student Experiences as Universities in Kenya   | <b>Chair:</b> Prof. Adrian<br>Hoffman, University of<br>Groningen |             |
| 11_15 –<br>11:30 | <b>Elizabeth Onyango</b> : Are we meeting Market expectations? Graduate<br>Tracer Studies in Kenya  | Rapporteur: Leah<br>Kaburu/Gilbert Opanga,<br>CUE                 |             |
| 11:30 –<br>11:45 | <b>Lynette Kisaka</b> : Fostering Gender and Diversity at Public Universities in Kenya  |   |             |
| 11:45 –<br>12:00 | Hudson Nandokha: Assuring the Quality of Teacher Education Programs in Kenya  |   |             |
| 12:00 –<br>12:15 | <b>Hyrine Matheka</b> : Monitoring and Evaluating Universities in Kenya: New Frontiers  |   |             |
| 12:15 –<br>12:30 | <b>Benson Gatubu</b> : Governance and its impact on the Quality of University Education in Kenya  |   |             |
| 12:30 –<br>12:45 | Monica Gachunga: Ranking and Rating: Is Kenya Ready for it?   |   |             |
| 12:45 –<br>13:00 | <b>Isaac Gathirwa</b> : Policy and Legal reforms in Kenya and their impact on the Growth and Quality of University Education in Kenya   |   |             |
| 13:00 –<br>13:15 | <b>Pius Walela</b> : Using MIS to improve management in the University Sector in Kenya  |   |             |
| 13:00 –<br>13:30 | Parallel Session 2.6 Discussion of the presentations (Q & A)  |   |             |

| 13:00 –<br>14:00 | DAY 2: Lunch Break   |  |             |
|------------------|--|--|-------------|
|                  | DAY 2: Afternoon Parallel Session 2.7: Evolution and Status of Higher<br>Education 111   |  | KU-BSSC 014 |
| 14:00 –<br>14:20 | Henry O. Ayot & Samson O. Ondigi, Kenyatta University – Session<br>Lead Speaker: The Genesis of School of Continuing Education at<br>Kenyatta University Through Self-Sponsored Programme and its effects<br>on Education in Kenya | <b>Chair:</b> Prof. Madara Ogot,<br>University of Nairobi                    |             |
| 14:20 –<br>14:35 | <b>Prof. Jan Deinum, University of Groningen:</b> Developing a data collection system for Kenya:<br>Lessons and experiences  | Rapporteur: Jackson<br>Wachira Muthengia, Embu<br>University College, Kenya/ |             |
| 14:35 –<br>14:50 | <b>Benjamin Kyalo Wambua, Moi University:</b> Research Utilization among<br>University Academic Staff in Kenya: A Case of Education, Arts and Social<br>Sciences   | Benson Gatubu, CUE   |             |
| 14:50 –<br>15:05 | <b>Catherine N. Nandain, Technical University of Kenya:</b> Uncertainty in Universities in Kenya: The Role of Public Relations Function  |  |             |
| 15:05 –<br>15:20 | <b>Christine Wasanga and Merecia Anne Sirera, Kenyatta University:</b><br><i>Towards evidence based approach in education policy-making for socio-</i><br><i>political and economic development in Kenya</i>                       |  |             |
| 15:20 –<br>15:35 | <b>Ezra Maritim &amp; Fred Keraro, Egerton University:</b> Mainstreaming<br>Open and Distance Learning in Higher Education in Kenya: Prospects<br>and Challenges   |  |             |
| 15:35 –<br>16:00 | Q & A Session  |  |             |
| 16:00 -<br>16:30 | Health Break   |  |             |
|                  | <b>DAY 2: Afternoon Parallel Session 2.8:</b> <i>Quality of Post Graduate</i><br><i>Research and Training I</i>  |  | KU-BSSC 012 |
| 14:00 –<br>14:20 | <b>Beatrice Maina, APHRC – Session Lead Speaker</b> : The contribution of student leadership to PhD training in Africa: Examples from Consortium for Advanced Research Training in Africa program                                  | Chair: Prof James Kung'u,<br>Kenyatta University<br>Rapporteur: Dr Susan     |             |
| 14:20 –<br>14:35 | <b>David Nandasaba Musuya, and Mary M Waruguru, Kibabii</b><br><b>University:</b> <i>Knowledge Management Practices and Sustainable Research</i>   | Wasike, MMUST/prof.  |             |

|                  | in Kenya.  | Marcella Mwaka, CUE                          |             |
|------------------|--|--|-------------|
| 14:35 –<br>14:50 | <b>Fuchaka Waswa, Akunga Daniel, Makori Obonyo, Mahiri Joseph,</b><br><b>Itolondo Winfrida, Kenyatta University:</b> Interrogating the Harmonized<br>Promotion Criteria for Human Development in the Context of Sustainable<br>Quality Assurance in Kenya's University Education   |  |             |
| 14:50 –<br>15:05 | <b>G.A Owiti, Egerton University:</b> A Utilitarian Approach to Analysis of Education in Kenyan Public Universities  |  |             |
| 15:05 –<br>15:20 | <b>George Mathenge Wairungu, Kenyatta University:</b> <i>Qualitative</i><br><i>Research in Special Education: Most Common Errors Made by Graduate</i><br><i>Students and Beginning Researchers in preparation, data collection and</i><br><i>data analyses Phases of Research.</i> |  |             |
| 15:20 –<br>15:35 | <b>Gladys J. Mengich, MMUST,</b> <i>Identification of Competencies for</i><br><i>Professional Training: A Case Study on Physiotherapy Course at the</i><br><i>Kenya Medical Training College, Nairobi</i>  |  |             |
| 15:35 -<br>16:00 | Q & A Session  |  |             |
| 16:00 –<br>16:30 | Health Break   |  |             |
|                  | DAY 2: Afternoon Parallel Session 2.9: <i>Quality of Post Graduate</i><br>Research and Training II   |  | KU-BSSC 280 |
| 14:00 –<br>14:20 | Jackson Too, Alice Kande & Silas Oure, Commission for University<br>Education (CUE) – Session Lead Speaker: Staffing Needs in Higher<br>Education: The Fluidity of Gender and Ratio Dynamics in the University<br>Sector   | <b>Chair:</b> Joseph Musyoki,<br>CUE         |             |
| 14:20 –<br>14:35 | <b>Hellen Kiende and Mukirae Njihia Kenyatta University:</b> Adequacy of post graduate research methodology training: a case of the School of Education, Kenyatta University   |  |             |
| 14:35 –<br>14:50 | <b>Henry N. Kemoni, MMUST:</b> <i>Postgraduate Quality Education and</i><br><i>Research at Masinde Muliro University of Science and Technology, Kenya</i>  | Rapporteur: Jean Claude                      |             |
| 14:50 –<br>15:05 | <b>Isaac. Mwangi, Kenyatta University:</b> <i>ICT integration in higher</i><br><i>education: a comparison of policies and practices in Kenyan universities</i>   | Zigama, University of Eldoret/Michael Tanui, |             |
| 15:05 –<br>15:20 | J. M. Kihoro, Elizaphan M. Maina , Peter N. Ndirangu, and John<br>Kanyaru, Kenyatta University: <i>Transforming Examinations processing</i>  | CUE  |             |

|                  | and Management at Universities: An ICT Solution  |   |             |
|------------------|--|---|-------------|
| 15:20 –<br>15:35 | Grace Bunyi, Martin Ogola, Mukirae Njihia & Joyce Wangia,<br>Kenyatta University: Trends and Status of Social Science Post-graduate<br>Research Training in Kenya  |   |             |
| 15:35 –<br>16:00 | Q & A Session  |   |             |
| 16:00 -<br>16:30 | Health Break   |   |             |
|                  | DAY 2: Afternoon Parallel Session 2.10: Building Sustainable Globally<br>Competitive Higher Education Institutions I   |   | KU-BSSC 281 |
| 14:00 –<br>14:20 | James Biu Kung'u, Kenyatta University – Session Lead Speaker:<br>Overcoming Challenges in University Education in Africa in the 21st<br>century  | <b>Chair:</b> Prof Dickson S. O. Owiti, MMUST   |             |
| 14:20 –<br>14:35 | Julius K. Maiyo, Kibabii University: Assessment of Lecturers<br>Perceptions on Students-Lecturers Evaluations in Higher Education<br>Institution in Kenya  | Rapporteur: Aloys<br>Mosima Osano, Maasai<br>Mara University/ Valeria<br>Onsando, CUE |             |
| 14:35 –<br>14:50 | Kaumbulu Fredrick Kyalo, Esther Njeri Njoroge Kisii University:<br>Translating Academic Research into Innovation; Implementation of<br>Academic Studies in To Policy and Practice in Kenya   |   |             |
| 14:50 –<br>15:05 | <b>Kyalo B. Wambua, Moi University,</b> Assessment of Research Utilization<br>among University Academic Staff In Kenya: A Case of Education, Arts and<br>Social Sciences   |   |             |
| 15:05 –<br>15:20 | Leah Wanjama, Kenyatta University: Transforming the Academic<br>Curriculum for Advancing Science, Technology and Innovation: A<br>Reflection on the status of inclusion of women and girls in Science,<br>Technology and Innovation in Kenya Public Universities |   |             |
| 15:20 –<br>15:35 | Lynette G. Kisaka, Jackson K. Too and Eusebius J. Mukhwana,<br>Commission for University Education (CUE): The Gap between policy<br>making and Implementation in Higher Education Sector in Kenya  |   |             |
| 15:35 –<br>16:00 | Q & A Session  |   |             |
| 16:00 –<br>16:30 | Health Break   |   |             |

|                                      | <b>DAY 2: Afternoon Parallel Session 2.11: :</b> <i>Evolution and Status of Higher Education 1V</i>  |  | KU BSCC 273 |
|--------------------------------------|--|--|-------------|
| 14:00 –<br>14:20                     | Madara Ogot, University of Nairobi – Session Lead Speaker: Is the<br>Research Agenda of Kenyan Universities aligned to realizing Vision 2030?  | <b>Chair:</b> Dr. Rose Okoyo<br>Opiyo, University of |             |
| 14:20 –<br>14:35<br>14:35 –<br>14:50 | Maina M, Njeri N., Musundire R., Muasya R, Mezzetti B., Stuetzel H.,<br>Bua B., Kenyatta University: Developing teaching and curriculum skills<br>of university academic staff: lessons from the EDULINK-ESA projectMaina Mwangi, Kenyatta University: Strategies for strengthening<br>research competitiveness in African Higher Education Institutions | Nairobi<br>Rapporteur: Michael<br>Lusinde, CUE       |             |
| 14:50 –<br>15:05                     | <b>Tirus Muya Maina, Murang'a University College:</b> An Audit of ICT<br>Funding on Effective Integration of ICT's In Selected TVET Institution in<br>Kiambu and Murang'a County, Kenya  |  |             |
| 15:05 –<br>15:20                     | <b>Onesmus Muroki wa Thuo, Kenyatta University:</b> <i>Translating Academic</i><br><i>Research into Innovation: Assessing the Relationship Between</i><br><i>Development and Innovation Policy and University-based Innovation for</i><br><i>Knowledge-based Development in Kenya</i>  |  |             |
| 15:20 –<br>15:35                     | Harriet Njui, Riara University: Transforming University Education<br>through inclusive Classrooms  |  |             |
| 15:35 –<br>15:50                     | <b>Agnes M. Gachau, Technical University of Kenya:</b> Unpacking the link<br>between University Programs and Employability through Graduate Tracer<br>Studies: Case of TU-K  |  |             |
| 15:50 –<br>16:15                     | Q & A Session  |  |             |
| 16.15-17.00                          | Visit to Exhibitions and Posters   |  |             |
| 17:00 –<br>17:30                     | Health Break   |  |             |

#### POLICY HOT SEAT

| TimeDAY 3: WEDNESDAY 24 <sup>TH</sup> AUGUST 2016EVENT MOVERVENUE |
|---|
|---|

| 07:30 -<br>08:30 | Registration | Secretariat |  |
|------------------|--------------|-------------|--|
| 00.00            |              |             |  |

|                  | Plenary Session   |   | KU-BSCC 014     |
|------------------|---|---|-----------------|
| 08:30 -<br>08:40 | Dr. Eusebius Mukhwana; – Introduction of pertinent issues Affecting university Education in East Africa.  | Chair: Dr. Eusebius J.<br>Mukhwana, DCS PRD | KU-Amphitheatre |
| 08:35 –<br>09.00 | <ul> <li>-5 Minute pronouncements on Pertinent issues in the University Sector</li> <li>Prof. Innocent Mugisha, Higher Education Council, Rwanda</li> <li>Prof. David Some, CUE, Kenya</li> <li>Prof. Peter Mbithi, University of Nairobi</li> <li>Dr. Kevit Desai, Linking Industry with Academia</li> <li>Prof. Ezra Maritim, Egerton University/Former Cahir CHE</li> <li>Prof. Alexandre Lyambabaje, IUCEA</li> </ul> | <b>Rapporteur:</b> Prof. J.<br>Too, CUE     |                 |
| 09.00-<br>11.00  | Policy Hot Seat: Engagement between Panel members and the Audience<br>(live coverage)   |   |                 |
| 10:40 -<br>11:00 | Health Break  |   |                 |

|                  | DAY 3: SHE Parallel Session 3.1: Sub–Theme 2: Promoting Science &<br>Technology Research  |  | KU-BSCC 014 |
|------------------|---|--|-------------|
| 11:00 –<br>11:20 | <b>Dr. Evans Kituyi, IDRC - Session Lead Speaker:</b> Linking Research with technology Development and transformation of lives  | Chair: Dr. Stephen<br>Karimi – NACOSTI |             |
| 11:20 –<br>11:35 | Joseph Musyoki, Commission for University Education, University<br>Accreditation systems in Kenya: Ensuring relevance and Employability of<br>Graduates   | Rapporteur: Monicah<br>Ngendo, KUCCPS  |             |
| 11:35 –<br>11:50 | Abubakar, K., Jude, J., Yusuff, A. S, Emmanuel, O. G., National Centre for<br>Technology Management (NACETEM), Nigeria: Driving Collaboration for<br>Innovation in Nigeria Manufacturing Industry |  |             |
| 11:50 –<br>12:05 | <b>Dr. Beatrice Odera -Kwach, CUE</b> , Changing information systems and their impacts on the Quality of University Education in Kenya.   |  |             |
| 12:05 -          | Dulo Nyaoro, Peace Institute, Moi University: Participatory Development   |  |             |

| 12:20              | Approach – Completing Participation Circle to Reduce Adverse Effects of<br>Development in Kenya   |  |  |
|--------------------|---|--|--|
| 12:20 –<br>12:35   | <b>Ongera Gilbert, University of Kabianga:</b> <i>Promoting science and technology education for all: A challenge for African Countries</i> |  |  |
| 1235 -<br>1300     | Visit Exhibitions site  |  |  |
| DAY 3: Lunch Break |   |  |  |

|                  | DAY 3: SHE Parallel Session 3.2: Sub-Theme 6: Transforming the<br>Academic Curriculum for Advancement of Science, Technology and<br>Innovation   |  | KU-BSCC 012 |
|------------------|--|--|-------------|
| 11:00 –<br>11:20 | <b>Dr. Sylvance A. Sange, KIPI Session Lead Speaker</b> - <i>Trends and evolution in patenting and other protections in Kenya</i>  | <b>Chair:</b> Prof. Marion<br>Mutugi         |             |
| 11:20 -<br>11:35 | Yusuff, A. S, Jude, J., Abubakar, K., & Emmanuel, O. G., 1National Centre<br>for Technology Management (NACETEM), Nigeria: <i>Redesigning Tertiary</i><br><i>Institution Academic Curriculum in Science, Technology, Engineering and</i><br><i>Mathematics (STEM) Subjects for an Improved Science, Technology and</i><br><i>Innovation (STI) Practice in Nigeria-</i> | <b>Rapporteur:</b> Dr.<br>Benson Murgor, CUE |             |
| 11:35 –<br>11:50 | <b>Elizabeth Were, Kenya Methodist University:</b> Enhancing Innovation Through Postgraduate Research Supervision: Challenges and Prospects-   |  |             |
| 11:50 –<br>12:05 | <b>Dickson S. O. Owiti, MMUST:</b> <i>Curriculum Innovation: The Key to Quality</i><br><i>STEM Education for Development in Africa Under the</i> 21 <sup>st</sup> <i>Century Sky</i> -   |  |             |
| 12:05 –<br>12:20 | <b>Jackson Too &amp; Mureithi Njeru, Moi University:</b> A False Start of Science and Technology in Africa: The Case of Kenya  |  |             |
| 12:20 –<br>12:35 | <b>Jean Claude Zigama, &amp; Jackson Too, University of Eldoret:</b> One Laptop Per Child in Kenyan Primary Schools: Moving From Toys to Thinking Tools  |  |             |
| 12:35 -<br>13:00 | Visit Exhibitions site   |  |             |
| 13:00 –<br>14:00 | DAY 3: Lunch Break   |  |             |

|                  | <b>DAY 3: SHE Parallel Session 3.3:</b> Sub: – Theme 1: Engaging<br>International Science & Technology collaborations, Linkages and<br>Partnerships   |   | KU-BSSC 280 |
|------------------|---|---|-------------|
| 11:00 –<br>11:20 | <b>Prof. Wellington Otieno, Director RESTECH</b> - <i>Session Lead Speaker</i> : A <i>Model of Research Cooperation</i>   | Chair: Prof. Eucharia<br>Kenya                          |             |
| 11:20 -<br>11:35 | <b>Gichana James Ongwae, Jomo Kenyatta University of Agriculture and</b><br><b>Technology (LKUAT), Kenya:</b> Towards Improving Sustainable Funding of<br>Research in Science, Technology, Innovation and Entrepreneurship for<br>Development in Africa                         | Rapporteur: Dr<br>Benjamin K. Wambua,<br>Moi University |             |
| 11:35 –<br>11:50 | <b>Emilio Ovuga, Gulu University, Uganda:</b> <i>Positioning SHE in Africa's Development</i>  |   |             |
| 11:50 –<br>12:05 | James, J. I., Yusuff, A. S., Abubakar, K. Emmanuel, O. G, National Centre<br>for Technology Management, NACETEM, Naigeria: Assessing the Impact of<br>International Science and Technology collaborations on the Health Sector in<br>West Africa – The Case of Ebola in Nigeria |   |             |
| 12:05 –<br>12:20 | <b>Emmanuel, O., Jude, J., Yusuff, A. &amp; Abubakar, National Centre for</b><br><b>Technology Management, NACETEM, Naigeria:</b> <i>Promoting R &amp; D in</i><br><i>Nigerian Small and Medium Scale Enterprises</i>   |   |             |
| 12:20 –<br>12:35 | Macharia N. Anthony, Kenyatta University: Potential Benefits of Using<br>Teaching Kits in Inquiry-Based Learning in Geosciences   |   |             |
| 12:35 -<br>13:00 | Visit Exhibitions site  |   |             |
| 13:00 -<br>14:00 | DAY 3: Lunch Break  |   |             |

|                  | <b>DAY 3: SHE Parallel Session 3.4:</b> Sub–Theme 4: Addressing Human Capital priorities for a technologically driven nation                  |   | KU-BSSC 281 |
|------------------|---|---|-------------|
| 11:00 –<br>11:20 | <b>Kevit Desai, LIWA - Session Lead Speaker</b> : Linking Industry with Academia:<br>The journey we have travelled and lessons for the future | <b>Chair:</b> Millicent<br>Omukaga,<br>Commissioner CUE |             |
| 11:20 –<br>11:35 | Oigo, E. Bosibori & Isika, Juliet K.: Clothing and Textile Research in Kenya:   | Rapporteur: Ken   |             |

|                  | Challenges and Opportunities  | Ntongondo, CUE |  |
|------------------|---|----------------|--|
| 11:35 –<br>11:50 | <b>Leon Mutesa, University of Rwanda, Kigali, Rwanda,</b> <i>New Innovative intervention and Evidence Towards Malaria Elimination in Rwanda: Experience from MEPR Project in Ruhuha Sector in Bugesera (2011-2016)</i>  |                |  |
| 11:50 –<br>12:05 | <b>Isika, Juliet K:</b> Building and Sustaining Globally Competitive Fashion Design<br>Education: Resources in the Use of Garment Design by Draping   |                |  |
| 12:05 –<br>12:20 | <b>Gabriel Juma Okumu &amp; Simmy M. Marwa, Dedan Kimathi University of</b><br><b>Science and Technology, (DKUST), Kenya:</b> <i>Human Capital Development</i><br><i>Priorities for a technologically Driven Nation</i> |                |  |
| 12:35 –<br>13:00 | Exhibition site/posters   |                |  |
| 13:00 –<br>14:00 | DAY 3: Lunch Break  |                |  |

|                  | DAY 3: SHE Parallel Session 3.5: Sub–Theme 5: Accelerating Research<br>Infrastructure and Human development   |  | KU-BSSC 152 |
|------------------|---|--|-------------|
| 14:00 –<br>14:20 | Mohammed Kerre, PERC PACE - Session lead Speaker: Developing a<br>Science and technology platform for EA  | Chair: Dr. Francis<br>Kibaru                                     |             |
| 14:20 –<br>14:35 | <b>Peter Kinyae Musyimi, Karatina University:</b> Understanding Drought<br>Characteristics for Sustainable Development in Kenya: A Case Study of<br>Makindu Sub-County, Kenya   | <b>Rapporteur:</b> William<br>Mwangi/Mary Jullie<br>Achieng, CUE |             |
| 14:35 –<br>14:50 | <b>Stephen Frimpong, Bekele H.Kotu, Shaibu, Mellon Bedi, International</b><br><b>Institute of Tropical Agriculture, Socioeconomics, Ghana:</b> Understanding<br>Smallholder Farming Behavior Under Sustaining Intensification Technologies<br>in Marginal Hotspots in Ghana |  |             |
| 14:50 –<br>15:05 | Suad M. Sulaiman & Salih A. Hamadto, Sudanese National Academy of<br>Sciences (SNAS): Addressing Food Security Issues in Developing<br>Countries Through Solar Cooking and Drying   |  |             |
| 15:05 –<br>15:20 | <b>Mwarimu Alfred, Kenyatta University:</b> Access To Safe And Clean Drinking<br>Water Through Household Connection In The Fast Developing Towns In<br>Nairobi County   |  |             |

| 15:20 –<br>15:35              | Jonathan Olak, Ryan Simpson and Morris, DC Komakech, York University<br>Canada: Report Card Guru: The Ultimate Virtual Innovation to Integrating<br>Schools and Community |  |
|-------------------------------|---|--|
| 15:35 -<br>16:00              | Q & A Session   |  |
| 16.00-<br>17.00               | Visit to exhibitions/Posters  |  |
| 16:00 -<br>16:30              | Health Break  |  |
| <b>18.00-</b><br><b>20.00</b> | CUE DINNER AT UTALII HOTEL, THIKA ROAD, NAIROBI   |  |

|                  | <b>DAY 3: SHE Parallel Session 3.6:</b> Sub–Theme 3: Translating academic research into innovation   |                                     | KU-BSSC 273 |
|------------------|--|-------------------------------------|-------------|
| 14:00 –<br>14:20 | Dr. John Ayisi, MOEST – Commercialization of Research Outputs – Session<br>Keynote Speaker   | Chairperson: Dr. Dorcas<br>Omukhulu |             |
| 14:20 –<br>14:35 | Jackson Wachira Muthengia, Karanja wa-Thiong'o & Gerald Muthakia,<br>Embu University College, Kenya: An Overview of Alternative Cementing<br>Materials, Kenyan Case  | Rapporteur: Lynette<br>Kisaka, CUE  |             |
| 14:35 –<br>14:50 | Muchira Irene Wanjiku, Kenyatta University: Crystallization Kinetics of<br>InSe Chalcogenide Glasses for Phase Change Memory (PRAM) Applications   |                                     |             |
| 14:50 –<br>15:05 | <b>Waswa J, Ngugi L.W. Asiko L A &amp; Ambani R, Karatina University:</b> <i>A</i><br><i>Paradigm Shift in Social Vulnerability to Nutritional Diseases. A Perspective</i>   |                                     |             |
| 15:05 –<br>15:20 | Adeyemi, A., Ademola, Ajibade, A., Yusuff .A 1National Centre for<br>Technology Management (NACETEM): Innovative Approach Towards<br>Curbing The Spread of Tuta Absoluta in Northern Nigeria: Lessons from<br>Research Institutes in Some Selected Countries |                                     |             |
| 15:20 –<br>15:35 | <b>David Mutegi Marikah, Wanyika Harrison &amp; Erastus Gatebe, JKUAT:</b><br>Novel Materials from Clay and Functionalized Clay Nanoparticles: Application<br>on Remediation of Lead, Cadmium and Pentachlorophenol from Water                               |                                     |             |

| 15:35 –<br>16:00 | <b>Peter Conic Awory, Moi University:</b> Using Polyethylene to Produce Methane<br>and Ethane Gases – Applications for Lighting and Heating |  |
|------------------|---|--|
| 16.00-<br>17.00  | Visit to exhibitions/Posters  |  |
| 1600 –<br>16:30  | Health Break  |  |
|                  |   |  |
| 18.00-<br>20.00  | CUE DINNER AT UTALII HOTEL, THIKA ROAD, NAIROBI   |  |

|                  | DAY 3: SHE Parallel Session 3.7: Sub – Theme 2: Promoting Science & Technology Research in Africa   |   | KU-BSCC 014 |
|------------------|---|---|-------------|
| 14:00 –<br>14:20 | Mr. Tirop Kosgey, Chairman, National Research Fund Board –<br>Development of National Research Fund in Kenya.   | Chair: Prof. John<br>Shiundu                                    |             |
| 14:20 –<br>14:35 | <b>Benard Muok and Willis Makoka, Jaramogi Oginga Odinga University of</b><br><b>Science and Technology (JOOUST):</b> Accelerating pico-solar market in Kenya:<br>Role of research and innovation                                     | <b>Rapporteur:</b> Brian<br>Waswala, UNEP/ David<br>Ajuoga, CUE |             |
| 14:35 –<br>14:50 | <b>Shadrack Mule, University of kabianga:</b> <i>Translating innovations into economic growth: rationale for an innovation strategy</i>   |   |             |
| 14:50 –<br>15:05 | I. W. Simiyu, Great Lakes University of Kisumu: Towards Exploring the<br>Link Between Science, Technology and Innovation in Advancing Africa's<br>Sustainable Development Agenda: A Case Study of Mobile Money Technology<br>in Kenya |   |             |
| 15:05 –<br>15:20 | Madara Ogot and James Nyangay, University of Nairobi: Greenhouse Gas<br>Emissions Abatement Potential in Kenya from Introduction of Feebates  |   |             |
| 15:20 –<br>15:35 | Josephine Kagunda, Theresia Marijani, Gerald Mligo & Marily Rono,<br>University of Nairobi: Modeling the Effects of Temperature Variation on<br>Schistosomiasis Transmission Dynamics   |   |             |
| 15:35 –<br>16:00 | Q & A Session   |   |             |

| 16:00 –<br>16:30 | Health Break                                    |  |
|------------------|---|--|
|                  |   |  |
| 18.00-<br>20.00  | CUE DINNER AT UTALII HOTEL, THIKA ROAD, NAIROBI |  |

|                  | DAY 3: SHE Parallel Session 3.8: Sub–Theme 2: Promoting Science & Technology Research in Africa   |   | KU-BSCC 012 |
|------------------|---|---|-------------|
| 14:00 –<br>14:20 | Wesley K. Kirui, Shubiao Wu, Simon Kizito, Pedro N. Carvalho, Renjie<br>Dong: Pathways of nitrobenzene degradation in horizontal subsurface flow<br>constructed wetlands: Effect of intermittent aeration and glucose addition                              | Chair: Prof. Anne<br>Nangulu, Quality Audit<br>& Standards, CUE |             |
| 14:20 –<br>14:35 | <b>C.A. Omukoko, L.Turoop, S.V.W. Wekesah, K.N. Maniania and Ghimire,</b><br><b>JKUAT:</b> Screening of Beauveria bassiana Isolates for Endophytic Activity –<br>Effects on Growth of Tomato Varieties  | Rapporteur: Zachary<br>Waweru, CUE                              |             |
| 14:35 –<br>14:50 | <b>Kilemba Lucas M., University of KwaZulu-Natal, South Africa:</b><br><i>Management and Preservation of Indigenous Knowledge for Food Security and</i><br><i>Natural Resources by Selected Rural Communities in Kenya</i>                                  |   |             |
| 14:50 –<br>15:05 | <b>Miheso-O'Connor, Marguerite, K., Kenyatta University:</b> Using technology to support special needs learners access stem related courses in higher education: An exploratory study among low vision learners.  |   |             |
| 15:05 –<br>15:20 | Ngugi, C.N., Waturu, C.N., Wepukhulu, S.B., Nguru, J.K., Kamau, L.G.,<br>Kimani, A.W and Wangoh, R.W: : Determination of the Effect of Transgenic<br>and Conventional Gypsophila root Exudates on Infectivity and Development<br>Entomopathogenic Nematodes |   |             |
| 15:20 –<br>15:35 | Alexander Kinyua Wachira, Meru University of Science and Technology:<br>Enhancing Performance of Agribusiness Through an Automated Inter-County<br>Commodity Exchange Market in Kenya   |   |             |
| 15:35 –<br>16:00 | Martha,Odhiambo, Catherine W. Muui, & Mukiri Githendu, Kenyatta<br>University: Effects of Organic and Inorganic Fertilizers on Seed Quality of<br>Upland Nerica Rice Varieties in Siaya County, Kenya-  |   |             |
| 16:00 -          | Health Break  |   |             |

| 16:30           |   |  |
|-----------------|---|--|
| 18.00-<br>20.00 | CUE DINNER AT UTALII HOTEL, THIKA ROAD, NAIROBI |  |
|                 |   |  |

|                  | DAY 3: SHE Parallel Session 3.9: Sub–Theme 2: Promoting Science & Technology Research in Africa   |   | KU-BSCC 280 |
|------------------|---|---|-------------|
| 14:00 –<br>14:20 | <b>Riany Kenneth, Kivati Chris and Abaki Zipporah:</b> Role of Research<br>Information Management Systems (RIMS) on Promoting Science & Technology<br>in Research Institutes of Kenya | <b>Chair:</b> Prof A. S,<br>Yusuff, NACETEM,<br>Nigeria     |             |
| 14:20 –<br>14:35 | Judith Mang'eni, Moi University: Risk factors for malaria infections in fever<br>hot-spots and cold-spots in high transmission region in Western Kenya                                | Rapporteur: Dr. Peter<br>K. Musyimi, Karatina<br>University |             |
| 14:35 –<br>14:50 | <b>Stephen Wandera, Makerere University</b> : Determinants of access to healthcare by older persons in Uganda   |   |             |
| 14:50 –<br>15:05 | Linda Nyondo, University of Malawi: Strategies for early access to HIV services for heterosexual men in Blantyre Malawi   |   |             |
| 15:05 –<br>15:20 | <b>Anne Khisa, University of Nairobi</b> : A grounded theory of regaining normalcy:<br>health seeking behavior, coping and re-integration of women with obstetric<br>fistula in Kenya |   |             |
| 15:20 –<br>15:35 | <b>Rose Opiyo, University of Nairobi:</b> Food choice behaviors and dietary adequacy among pregnant women in Kenya  |   |             |
| 15:35 –<br>16:00 | Q & A Session   |   |             |
| 16:00 -<br>16:30 | Health Break  |   |             |
| 18.00-<br>20.00  | CUE DINNER AT UTALII HOTEL, THIKA ROAD, NAIROBI   |   |             |
|                  |   |   |             |

|  | DAY 3: SHE Parallel Session 3.10: Sub–Theme 2: Promoting Science & Technology Research in Africa  |  | KU-BSCC 281 |
|--|---|--|-------------|
| 14:00 -<br>14:20<br>14:20 -<br>14:35<br>14:35 -<br>14:50 | Nyile Erastus Kiswili, Shale Noor Ismail and Bellah Chepkulei, JomoKenyatta University of Agriculture and Technology: Role of SustainableProcurement Practices on Supply Chain Performance of Manufacturing Sectorin Kenya: A Case of East African Portland Cement CompanyA.L Nyondo-Mipando, A.T Choko, A.F. Chimwaza and A.S. Muula,University of Malawi: Invitation Cards during pregnancy enhance malepartner involvement in Prevention of mother to child transmission of HumanImmunodeficiency Virus in Blantyre, MalawiRose Okoyo Opiyo, Reuben Kamau Koigi, Anne Obondo, Dorington Ogoyi,Wambui Kogi Makau, University of Nairobi: Effect of Fish Oil Omega-3Fatty Acids on Reduction of Depressive Symptoms among HIV-seropositive | Chair. Prof Fred Keraro,<br>Egerton University<br>Rapporteur: Alice<br>Kande / Irene Kimaiyo,<br>CUE |             |
| 14:50 –<br>15:05<br>15:05 –<br>15:20                     | <ul> <li>Pregnant Women: A Randomized Double-blind Controlled Trial</li> <li>Maurice Mutisya, Moses W Ngware, Caroline W Kabiru, Ngianga-Bakwin</li> <li>Kandala, African Population and Health Research Center: Effect of early childhood stunting on learning achievement among children from poor urban households in Nairobi, Kenya</li> <li>Dr Peter A. M. Mwaura : Towards translation of Universities into National Data Archives for research and economic development.</li> </ul>  |  |             |
| 15:20 –<br>15:35   | Njiruh Paul Nthakanio, Embu University College: Opportunities In<br>Bioeconomy as a template to Industrialization: A Lesson for Kenya to Learn  |  |             |
| 15:35 –<br>16:00   | Q & A Session   |  |             |
| 16.00-<br>17.00  | Visit to exhibitions/Posters  |  |             |
| 16:00 -<br>16:30   | Health Break  |  |             |
| 18.00-<br>20.00  | CUE DINNER AT UTALII HOTEL, THIKA ROAD, NAIROBI   |  |             |
|  |   |  |             |

|                         | DAY 4: THURSDAY 25 <sup>TH</sup> AUGUST 2016  | <b>EVENT MOVER</b>                       | VENUE               |
|-------------------------|---|--|---------------------|
| 07:00 -<br>08:30        | Registration  | Secretariat                              |                     |
|                         | Plenary Session: Agriculture and Food security  |  | ·                   |
| <b>08:30</b> –<br>08:50 | <b>Prof Adrian Mukhebi;</b> <i>Session Keynote Speaker:</i> Africa is Rising, Is Agriculture Rising?  | <b>Chair:</b> Dr. Nicholas<br>Ozor       | KU-<br>Amphitheatre |
| 08:50 –<br>09:10        | <b>Dr. Manu Chandaria, CEO, Comcraft Group of Companies -</b> <i>Session Keynote</i><br><i>Speaker: Taking Africa to the Next Level: Experiences from Industrialist</i> | Rapporteur:<br>Rosemary<br>Omwandho, UON |                     |
| 09:10 –<br>09:30        | <b>Dorothy Mukhebi, AWARD - Session Keynote Speaker</b> : <i>Training Women at Postgraduate levels in Agriculture: African experiences.</i>                             |  |                     |
| 09:30–<br>09:50         | <b>Dr. Fred Anampiu, IITA, - Session Keynote Speaker:</b> Growing Africa's soils: lessons from the CGIAR  |  |                     |
| 09:50 –<br>10:10        | Alfred Busolo, AFFA - Session Keynote Speaker: Reforms within the Kenyan Agricultural sector -  |  |                     |
| 09:00 –<br>09:20        | <b>Flora Mutahi, Chairperson, KAM – Session Keynote Speaker:</b> Expectations of Academia in Transforming the Industry -  |  |                     |
| 09:20 –<br>09:40        | <b>Sebaggala M. Kigozi</b> - Linking Industry with Academia in Uganda: Lessons and way forward  |  |                     |
| 09:40 –<br>10:00        | Plenary Discussion (Q & A)  |  |                     |
| 10:00 –<br>10:30        | Exhibition Site/posters   |  |                     |
| 10:30-<br>11:00         | Health Break  | ·  |                     |

DAY 4: SHE Parallel Session 4.1: Sub – Theme 6: Transforming the Academic

KU-BSCC 014

|                  | Curriculum for Advancing Science, Technology and Innovation  |  |  |  |  |
|------------------|--|--|--|--|--|
| 11:00 –<br>11:20 | Alain L. Fymat, International Institute of Medicine and Science, California, USA:<br>The Odyssey of Human Vaccination and Africa-  | <b>Chair:</b> Sergio<br>Gonzalez, Springer<br>NATURE         |  |  |  |
| 11:20 –<br>11:35 | Moses Makokha Wandera, Cooperative University College of Kenya:<br>Environmental Sustainability and Sustainable Development: A Global Compact<br>Instrument Disclosure from African Universities | <b>Rapporteur:</b> Dr Juliet<br>Isaka, Keyatta<br>University |  |  |  |
| 11:35 –<br>11:50 | Madara Ogot and James Nyangaya. University of Nairobi: How Many Vehicles are there on Kenya's Roads?-  |  |  |  |  |
| 11:50 –<br>12:05 | Waswa J, Ngugi L.W and Asiko L.A, Karatina University: Gender Disparity in Cognitive Abilities: A Nutrition Perspective  |  |  |  |  |
| 12:05 –<br>12:20 | <b>Leon Mutesa, University of Rwanda, Rwanda:</b> Advancement of Genetic Activities in Rwanda: Achievements, Challenges and Perspectives-  |  |  |  |  |
| 12:20 –<br>12:35 | Parallel Discussion (Q & A)  |  |  |  |  |
| 12:35 -<br>13:00 | Exhibition site  |  |  |  |  |
|                  | DAY 4: Lunch Break   |  |  |  |  |

|                  | <b>DAY 4: SHE Parallel Session 4.2:</b> Sub- Theme 5: Accelerating Research<br>Infrastructure and Human development  |  | KU-BSCC 012 |
|------------------|--|--|-------------|
| 11:00 -<br>11:20 | Martha Wakio Maina, Kenya Medical Research Institute: Improving Early<br>Diagnosis of Cervical Squamous Intraepithelial Lesions sing P16 <sup>INK4a</sup> Marker on Cell<br>Blocks from Cervical Smears                  | <b>Chair:</b> Dr. George<br>Ombakho, Ministry of<br>Education  |             |
| 11:20 –<br>11:35 | Lucy M. Ombaka, Patrick Ndung'u, Vincent Nyamori, Dedan Kimathi University<br>of Technology: Nitrogen-doped carbon nanotubes as supports for Pd catalysts applied<br>in the selective hydrogenation of aminobenzophenone | Rapporteur: Dr.<br>Shadrack Mule,<br>University of<br>Kabianga |             |
| 11:35 –<br>11:50 | J. Oduor, N. Onkoba, F. Maloba, W. Arodi & A. Nyachieo, Institute of Primate<br>Research (IPR): A Comparative Study on Efficacy of Bacteriophage and Clindamycin   |  |             |

| 13.00            | DAY 4: Lunch Break  |
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| 12:35 –<br>13:00 | Monica A. Ayieko, Jaramogi Oginga Odinga University of Science and<br>Technology: Processing and Consuming Edible Insects: Project Insefoods  |
| 12:20 –<br>12:35 | <b>Cynthia Nyunja, Joyce Maina, Joshua Amimo and Joseph Junga, University of</b><br><b>Nairobi:</b> The African Catfish: Population Characterization in Selected Cultured and<br>Wild Populations in Kenya  |
| 12:05 –<br>12:20 | Idowu Temitope Ezekiel, Nyadawa Maurice, K'Orowe M. Odondi, Pan African<br>University- Institute for Basic Sciences Technology & Innovation, JKUAT:<br>Assessment of Groundwater Salinity and Impact of Seawater Intrusion on a Coastal<br>Aquifer – North Coast of Mombasa as the Case Study |
| 11:50 –<br>12:05 | <b>Ezekiel Mecha, Omwandho, Tineberg &amp; Konrad, Justus-Liebig University,</b><br><b>Giessen, Germany:</b> The TGF-beta and TGF-beta Receptors in Endometriosis   |
|                  | Against Multi-Drug Resistant Staphylococcus aureus  |

|                  | DAY 4: SHE Parallel Session 4.3: Sub- Theme 5: Accelerating Research<br>Infrastructure and Human development  |   | KU-BSSC 280 |
|------------------|---|---|-------------|
| 11:00 –<br>11:20 | A.N. Mutsami, P. Okemo, R. C. Cheruiyot, S. Kariuki, J. Ogutu & S. L.<br>Symekhe, Kenyatta University : Antimicrobial Susceptibility Profile and Conjugation<br>Characteristics of Escherichia coli Strains Isolated from Broiler and Indigenous<br>Chicken in Kericho County | <b>Chair:</b> Prof. Paul<br>Mbugua, Kenyatta<br>University    |             |
| 11:20 –<br>11:35 | Maloba, Mwangi, Kagira, Kivai, Ndere, Ngotho, Gicheru, Mbaruk & Akinyi,<br>Kenyatta University: Zoonotic Malaria-Like Parasites in Baboons – A Human-<br>Wildlife Interface Study   | <b>Rapporteur:</b> Reynold<br>Nyaga/ Clifford<br>Gicheru, CUE |             |
| 11:35 –<br>11:50 | <b>Charles Ng'ong'a &amp; Monica Awuor Ayieko, Jaramogi Oginga Odinga University</b><br><b>of Science and Technology:</b> <i>Performance of Chicken Fed on Black Soldier Fly Pupae</i><br><i>Raised on Biodegradable Kitchen Waste</i>  |   |             |
| 11:50 –<br>12:05 | <b>Benter Atieno, Technical University of Kenya:</b> A Biorationale for Control of Vector Snails, Mosquitoes and Schistosome Larvae   |   |             |
| 12:05 -<br>12:20 | <b>Vitalis Ogemah, MMUST:</b> The need for mainstreaming Sustainable Agriculture in African universities agricultural curricula-  |   |             |

| 12:20 –<br>12:35   | <b>Thomas G. Egwang, Med Biotech Laboratories, Kampala:</b> <i>Malaria Vaccines in the Era of Malaria Eradication and SDG3.3</i>  |  |  |
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| 12:35 –<br>13:00   | <b>Theresia Ndunda; Amos Mbugua; Kibet Shikuku ;Naomi Waiganjo</b> Determination of Risk of Transfusion Transmitted Malaria Parasite among Blood Donations made at Kenyatta National Hospital, Blood Transfusion Unit |  |  |
| DAY 4: Lunch Break |   |  |  |

|                  | <b>DAY 4: SHE Parallel Session 4.4:</b> Sub- Theme 5: Accelerating Research<br>Infrastructure and Human development   |  | KU-BSSC 281 |
|------------------|---|--|-------------|
| 11:00 –<br>11:20 | Afuwai Gwazah Cyril, Federal University Dutsin-ma, Katsina State, Nigeria:<br>Geophysical Investigation of the Causes Of Borehole Failure in the Crystalline<br>Basement Complex: A Case Study of Kaura Area of Kaduna State, Nigeria                           | <b>Chairperson:</b> Prof.<br>Chacha, DVC,<br>Maseno University |             |
| 11:20 –<br>11:35 | Joseph Mwaniki Wambui, Edward Gichohi Karuri and Patrick Murigu Kamau<br>Njage, University of Nairobi: Development by Fermentation and Utilization of a Safe<br>and Stable Nitrosated Haemoglobin Pigment from Slaughterhouse Animal Blood                      | Rapporteur: Pius<br>Walela/Mureithi<br>Njeru, CUE              |             |
| 11:35 –<br>11:50 | Kuria M.W., Ngumi V.W., Njenga P.K. and Wangai L N, Kabarak University:<br>Maxent Modeling for Predicting Suitable Habitat for a Threatened Medicinal Plant<br>Species, Strychnoshenningsii in Kenya  |  |             |
| 11:50 -<br>1205  | <b>Ngugi MP, Njagi JM, Oduor RO, Ombori RO, Kibiti CM and Cheruiyot RC</b> :<br><i>RNAi-Mediated Knockdown of Cyanoglycosides in Selected Kenyan Cassava</i><br><i>Genotypes</i>  |  |             |
| 1205 –<br>12:20  | Aloys Mosima Osano, Prof. Eric R. Okong'o,Prof. Oyaro Nathan,Dr. Jackson<br>Kiptoo, Maasai Mara University: Biofuel Synthesis from Waste Cellulosic Biomass<br>Using Indigenous Salt Hydrolytic Catalytic Regimes. An Indigenous-Modern<br>Technology Infusion. |  |             |
| 12:20 –<br>12:35 | <b>Diana Kayeke Lukalo:</b> <i>Oil Prices and the Real Exchange Rate: Empirical Evidence from South Korea and Kenya</i>   |  |             |
| 12:35 –<br>13:00 | <b>Mwarimu Alfred, Kenyatta University:</b> <i>Quality of Hypertensive Healthcare Services</i><br><i>Among Patients Attending Level Five Public Hospitals in Nairobi County, Kenya</i>  |  |             |
|                  | DAY 4: Lunch Break  | •  |             |

|                  | <b>DAY 4: SHE Parallel Session 4.5:</b> Sub – Theme 7: Managing expectations of post-graduation employment  |   | KU-BSSC 152 |  |  |
|------------------|---|---|-------------|--|--|
| 11:00 -<br>11:20 | Susan Wasike & Thomas Amukaya Andabwa, MMUST: Peace Education<br>Curriculum for Sustainable Community Development in Kenya- Susan   | <b>Chair:</b> Dr. Mercy<br>Gichora, Kenya<br>Forestry Research<br>Institute |             |  |  |
| 11:20 –<br>11:35 | Joseph Hitimana, Eric K. Koech, Peter K. Sirmah, Zablone O. Owiti, Musa G. Apundo, Anne Sitienei, and A. Wachiye University of Kabianga: Scaling up training in forestry and environmental courses in Kenya: Reflection on Challenges and Opportunities in newly established Universities. A case of Kabianga | Rapporteur: Dr<br>David Mutegi<br>Marikah,<br>JKUAT/Esther<br>Gathungu, CUE |             |  |  |
| 11:35 –<br>11:50 | <b>Morris Komakech and Tanzina Islam, University of Toronto, Canada:</b> <i>The Global Sex Trafficking of Women &amp; Children: A Public Health Challenge</i>   |   |             |  |  |
| 11:50 –<br>12:05 | Wilson Hassan Nandwa, Umma University, Kenya: Engaging Religious Leaders in<br>Environment Conservation   |   |             |  |  |
| 12:05 –<br>12:35 | <b>Davis Bundi Ntwiga, University of Nairobi:</b> M-Shwari Credit Scoring: Peer Group<br>Borrowers versus Individual Borrowers-   |   |             |  |  |
| 12:35 –<br>12:50 | <b>Victor Kamau, Josiah and Robert Mbeche, JKUAT:</b> Assessment of the Technical Efficiency of smallholder Coffee Farming Enterprises in Murang'a, Kenya   |   |             |  |  |
| 12:50 -<br>13:00 | <b>Josphat Kagema, Karatina University:</b> The Condition of Schools' Infrastructures and<br>Its Effects on Quality Learning Outcomes in Primary Schools In Kenya   |   |             |  |  |
|                  | DAY 4: Lunch Break  |   |             |  |  |

| DAY 4: SHE Parallel Session 4.6: Greening Our Universities |   |  | KU-BSSC 273 |
|--|---|--|-------------|
| 11:00 –<br>11:25   | <b>Prof. George Ndegwa -</b> Aligning the Higher Education Curricula with the Green Concept | <b>Chair:</b><br>Catherine<br>Mbaisi -<br>NEMA |             |

| 11:25 –<br>11:50   | David Wang'ombe - Community Engagement in Greening the Environment  | Rapporteur: James<br>Kimani, CUE |  |  |
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| 11:50 –<br>12:15   | <b>Prof. David Mungai, Wangari Maathai Institute for Peace and Environmental</b><br><b>Studies</b> – Analysis of Environmental Sustainability Performance Contracting Targets<br>and Development of Environmental Sustainability Indicators for Universities In Kenya |                                  |  |  |
| 12:15 –<br>12:40   | <b>Dr. Dorcas Otieno, Kenya Organization for Environmental Education</b> – <i>The Green Campus in Kenya</i>   |                                  |  |  |
| 12:40 –<br>13:00   | Nickson Otieno - Student Engagement in the Greening Agenda  |                                  |  |  |
| DAY 4: Lunch Break |   |                                  |  |  |

|                  | DAY 4: Conference Wrap – up and Way Forward   |   | KU-<br>Amphitheatre |
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| 14:00 –<br>16:00 | Dr. Eusebius Mukhwana – Chair LOC, Closing Remarks<br>Prof. David Some, CEO, CUE- Closing Remarks<br>Dr. Manu Chandaria, Chair, Comcraft, Closing Remarks | Chair: Aduda –<br>Nation Media<br>Rapporteur: Linah<br>Lilan, CUE |                     |
| 16:00 –<br>16:30 | Prof. Henry Thairu, Chair, CUE, Official Closing of the Conference  |   |                     |