PROVISIONAL LIST: ABSTRACTS ACCEPTED FOR PRESENTATION IN THE 7TH RVTTI INTERNATIONAL TVET AND INTERDISCIPLINARY CONFERENCE

TRACK 1: Foundations for Greening TVET: Best Practices & Case Studies (RVTTI- UNEVOC CENTRE PROJECT - Paper Competition Africa)

   Aurelia Atukwase
   Kyambogo University, Kampala, Uganda

2. Assessing the Implementation of Institutional Environmental Policy at Thika Technical Training Institute, Kiambu County, Kenya
   Daniel Kirogo Wahangu & Gladwin Gakenia Gitau

3. A Case Study of Green Technology Policy and Pedagogical Readiness towards Sustainable Developments and Greening of TVET Institution in Kenya
   Tirus Muya Maina
   Murang’a University of Technology, Murang’a, Kenya

   George Afeti (Dr-Ing.)
   Chair, African Union TVET Expert Group, Ghana

5. Application of the Dialogic Theory of Public Relations to Embed a Greening Culture in Waste Management in TVET Institutions
   John H. Gekonde
   Kisii National Polytechnic, Kenya

6. Trends Greening TVETs in Kenya, the Challenges, Issues and Opportunities Best Practices and Case Studies
   June Karea
   Michuki Technical Training Institute, Kenya

   Lidigu Sebastian Shikoli, Maren Omondi
   Shamberere Technical Training Institute, Kenya

8. Natural Resource Management in Greening TVET for Environmental Sustainability: A Case Study of Wote Technical Training Institute
   Lydia N. Mburia
   Wote Technical Training College, Makueni County, Kenya

9. Green Campus Awareness: A Case of Masai Technical Training Institute Kajiado, Kenya
   Ms. Milcent Awuor Onyango & Ms. Lydia Gwendo
   Masai Technical Training Institute, Kajiado

    Simiyu Judith
    Kitale National Polytechnic, Kenya, Kitale

   Bozo Jenje Bozo & Kennedy Mganga Chilibasi
   Technical University of Mombasa

12. **Challenges Facing the Implementation of Past Resolutions on ‘Greening’ Technical and Vocational Education Training (TVET)**

   Jones K. Bungei

13. **Solar Technology Transfer the Inhibiting Factor a Historical Study of Kenya**

   Ruth Ongachi
   Kitale National Polytechnic & JIKUAT, Kenya


   Lucy Kimani & Dr. Hannah Kiariitha
   The Kabete National Polytechnic, Nairobi

15. **Culture and Green TVET: Challenges and Prospects for Sustainable Development**

   Muhavi Lucy Sagina
   Shamberere Technical Training Institute, Kakamega

16. **The Effect of Leadership on Greening TVET Sector in Kenya: A Case of Uasin Gishu Jua Kali Sector (SMES).**

   Titus Musyimi
   RVTTI, Eldoret

17. **TVET Responsiveness to Climate Change and Globalization: The Case of Greening TVET through Competence-Based Education & Training Programmes in Kenya**

   Tom Nyakundi & Manoah Jahonga
   The Sigagalaga National Polytechnic


   Gerishom Wafida Manase
   Shamberere Technical Training Institute

19. **The Impact of Sodium and Potassium Based Soaps and Detergents on Environment Nutrient Loading in in Busia County, Kenya**

   Mercy Okwaro & Shaban Namatsi
   Bumbe Technical Training Institute, Busia – Kenya

20. **Greening TVET: Integrated Intelligent Dust Bins as a way of Improving Waste Management in TVET**

   Vivian Cheserek, Shadrack K. Kimutai
   Rift Valley Technical Training Institute, Eldoret

21. **Greening TVET during Rainy Seasons using E-shoe Sole**

   Raphael Murei,
   Eldoret National Polytechnic, Kenya
TRACK 2: TVET in Enhancing Sustainable Development

1. Energy Efficiency Building Concept and Africa's Cities in Hot Climate
   Prof. Joseph Msambichaka
   Mbewa University of Science and Technology, Tanzania

2. Challenges, Issues and Opportunities in TVET
   Abdullahi Ahmadu Adamu.
   Niger State College of Education, Minna, Nigeria

   Karung'o Njihia Paul

   Ogola Pharel Omondi
   Pwani University

5. Strategies for Promoting Vocational Skills Development among Street Kids of Northern Nigeria: Implications for Sustainable Development
   Lawrence Femi Ademiluyi, PhD
   Kwara State University, Malete, Kwara State, Nigeria

6. Effect of Inadequate Welding Training on Green Technology in Kenyan Welding Sector
   Nicholas Kalum and John Kikwai
   Rift Valley Technical Training Institute, Kenya

7. Repositioning TVET Institutions in View of the Post-2015 Sustainable Development Goals
   Dickens O. Odum
   Coast Institute of Technology

8. Challenges Facing the Entry of Graduates of Technical Training Institutions into Self-employment: The Case of North Rift Region
   Kiboi Japheth Manura, Dr. A. Ferej & Dr. H. Dimo
   Rift Valley Technical Training Institute & University of Eldoret, Kenya

9. Using a 2-Phase Stepper Generator with reconfigured Scott – T Transformer arrangement to produce 3-Phase power for possible use in micro Renewable Energy power supplies
   Mark L. Gordon
   Gauteng Department of Health – Infrastructure Unit
   Unisa – Department of Electrical and Mining Engineering, South Africa

10. Enhancing Green Learning and Training in TVET for Sustainable Development through Digital Libraries in Nyeri County, Kenya
    Rose Muthoni Mukundi & Wanjiru Njuki
    The Nyeri National Polytechnic, Kenya

    Johnson Taremwa
    Belgian Development Agency (Enabel), Uganda

12. TVET in Enhancing Sustainable Development
    Omoo Francis
    Nakawa Vocational Training Institute, Nakawa, Kampala, Uganda
13. Integrating Social Media in Teaching and Life Long Learning in TVET: A Case Study of Kakamega County  
   Pamellah N. Wanjala  
   Shamberere Technical Training Institute

   James Kosgey  
   Rift Valley Technical Training Institute – RVTTI Eldoret

15. Looking Inside a Variable Speed Single Phase Motor – A Lesson in Sustainable Training and Repair  
   Mark L. Gordon\textsuperscript{1,2}  
   \textsuperscript{1}Gauteng Department of Health – Infrastructure Unit  
   \textsuperscript{2}Unisa – Department of Electrical and Mining Engineering

16. Strengthening Learning in Technology Education by using Theory, Simulation and Experiments  
   Ogur, E.O.  
   Technical University of Kenya

17. A study on factors Affecting Access on Students’ Academic Results and Implemented Solution  
   Habineza Jean de Dieu\textsuperscript{1}, Havumiragira Etienne\textsuperscript{2}, Mushikiwabo Sada\textsuperscript{1}, Muvandimwe Anastase\textsuperscript{1}, Uwihoreye Davide\textsuperscript{2}  
   \textsuperscript{1}IPRC Tumba, Information Technology Department, Rwanda  
   \textsuperscript{2}18. TVET and Tackling of Unemployment among Middle Level College Graduates in Kenya  
   Dr. Benson Vundi Nason  
   St. Paul’s University, Limuru

19. Contribution of ICT in Enhancing Quality, Access, Life-long and Open Learning in TVET for Sustainable Development  
   Wanjiru Njuki & Rose Muthoni Makandi  
   The Nyeri National Polytechnic

20. Evaluation of Electronic Assessment in Learning Institutions: A Case of Rift valley Technical Training Institute  
   James Kosgey & Anither Rotich  
   Rift Valley Technical Training institute

   Jonah Kipyegon Ronoh & Josephat Kiprono Mutai  
   Sigalagala National Polytechnic, Kakamega, Kenya

22. Project Based Learning and Enhancement of Practical Competence among Students at Kyambogo University  
   Nansubuga Lydia, Dr. Justine Nabaggala (PhD) & Dr. Elizabeth Opit (PhD)  
   Kyambogo University, Kampala, Uganda

23. The Role of Technical and Vocational Education and Training in Driving the Government’s Big Four Agenda for Sustainable Development in Kenya  
   Dr. Benson Vundi Nason  
   St. Paul’s University, Limuru

   Dr. Evans Vidija Sagwa, PhD, MIHRM, Lic.HRP  
   Senior Lecturer, Technical University of Kenya, Nairobi Kenya
   George Oluch & Evans Ondati  
   Sigalagala National Polytechnic & Ziwa Technical Institute, Kenya

26. **Situational Analysis on the Role of Technical and Vocational Education and Training Sub-sector towards Realization of Kenya’s Vision 2030**  
   Dr. Hoseah Kiplagat, PhD  
   University of Eldoret.

27. **Factors Affecting TVET Responsiveness to Youth Employability: Reflection on Practices of Competency-Based Provisions in Arsi Zone of Oromia Regional State**  
   Endalew Fufa (PhD)  
   Arsi University, Ethiopia

28. **Research Methods and Methodologies in SDGs**  
   \(^1\)Esther Chepsiror, \(^1\)Salina C. Sele & \(^2\)Joan Jepchirchir  
   \(^1\)The Catholic University of Eastern Africa & \(^2\)Moi University
TRACK 3: TVET & Economic Aspects of Sustainability

1. Relationship between Adoption of Green Marketing Practices and Hotel Performance in Western Kenya Tourism Circuit
   Wambui E. Ng’ang’a & Julie Makomere
   University of Eldoret

2. Value Chain Analysis of Marine Fish Along the Coastal Region in Kenya
   Ngetich Richard, Odwori Paul Okelo & Lusega David Manguya
   University of Eldoret, Eldoret, Kenya

3. Role of Social Media in the Consumption of Slow Fashion
   Agnes Rono
   Rift Valley Technical Training Institute, Eldoret, Kenya

4. Management Factors Influencing the Performance of Female Entrepreneurs: A Case of Nyeri Town Constituency, Nyeri County, Kenya
   Jane Wangui
   Thika Technical Training Institute

5. Constructing a Sustainable Customer Centrism Model for Universities in Kenya: Issues and Opportunities
   Dr. Vundi Nason
   St. Paul’s University, Limuru, Kenya

6. Women Owned Micro and Small Enterprises Factors Influencing Growth a Survey of Kitale Town
   Ruth Ongachi
   Kitale National Polytechnic & Jomo Kenyatta University of Agriculture & Technology, Kenya

7. Impact of Microfinancing on Women’s Involvement in Green Learning, Technological and Economic Advancement in Bondo Constituency, Kenya.
   Anne Adhiambo Obinju & Millicent Obondo
   RIAT, Kenya

   Herman Munyare*, Dr. Hannah Kiaritha
   Department of Business Studies, Kabete National Polytechnic, Kenya

9. Securitization of Project Finance Loans
   Caroline W. Kamunya
   Kenya Institute of Highways and Building Technology

10. Enterprise Resource Planning System Implementation and Value Realization in SACCOs for Youth Employment Policy in Nairobi County, Kenya
    Rodah N. Sitati & Dr. Selpher K. Cheloti
    Kabete National Polytechnic & South Eastern Kenya University

    Cecilia Muendo & Dr. Dancan Irungu
    Daystar University

    Dr. Hannah Kiaritha & Herman Munyare
    Department of Business Studies, Kabete National Polytechnic, Kenya
13. Adoption of Tree Nursery Practices as Strategic Enterprise at Millenium Village’s Project, Siaya County, Kenya  
   Kipkemboi Kandie, Odwori Paul Okelo & Odhiambo Kenneth Opiyo  
   University of Eldoret, Eldoret, Kenya

14. The Influence of Strategic Alignment on the Performance of CDF Sponsored Projects in Kitui County, Kenya  
   Kelvin Vundi, Dr. Hellen Mugambi & Dr. Stephen Macharia  
   St. Paul’s University, Limuru, Kenya

   Maengwe, James O., Otuya Willies & Ngacho Christopher  
   Kisii University

   Agnes Rono  
   Rift Valley Technical Training Institute, Eldoret, Kenya

17. An Empirical Analysis of Factors Affecting Implementation of Green Public Procurement In Laikipia County Government, Kenya  
   Ngunjiri, Elijah1 Wanjau, Lawrence & Omondi, Humphrey  
   Karatina University

18. The place of TVET in Entrepreneurial Development for Promotion of SMEs  
   Janet Mokaya  
   Kisii National Polytechnic
TRACK 4: Foundations for Sustaining People & Place

1. Effect of Intra-Row Planting and Trailings on the Performance of Vine Spinach \((\text{Basella alba } L)\) in Western Kenya
   \(^1\text{Masombo, B.,}^2\text{Rop, N. K.,} \& \text{^2Omami E.}
   \(^1\text{Kitale National Polytechnic, Kitale,} \& \text{^2University of Eldoret, Kenya}

2. Evaluation of Basket Food Warmers for Saving Energy in Uasin Gishu County: A Case Study of Kapseret Location
   \text{Dr. Dorcas J. Serem}
   \text{University of Eldoret, Kenya}

   \text{Muga Moses, Miroya M., Maina F. \& Anjichi V.}
   \text{University of Eldoret \& Rift Valley Technical Training Institute, Kenya}

   \text{Esther Onayio}
   \text{State Department of Livestock Production, Nandi County, Kapsabet, Kenya}

5. Sustainable Alternative Vegetative Propagation of Lucerne Crop from Stem Cuttings to Mitigate the Impact of Tropical Weed on the Sluggish, Fragile Lucerne Seeds and Seedlings
   \text{Dr. Jack Kagua Githae}
   \text{The School of Alternatively Medicine and Technology, Nyeri}

6. Competence-Based Agricultural TVET Program is a Pillar to Enhancing County Food Security
   \text{Evans Ondati\(^1\)\& George Oluoch\(^2\)}
   \text{Ziwa Technical Training Institute \& Sigalagala National Polytechnic, Kenya}

7. Biomethanation of Municipal Solid Waste
   \text{Leonard Gituma \& Catherine Njang’ira}
   \text{Nairobi Technical Training Institute}

   \text{Ivy Chumo \& Kanyiva Maindi}

9. Supa Fruit Chamber: A Sustainable Approach to Fruit Ripening Techniques
   \text{Ben Kibet}
   \text{Rift Valley Technical Training Institute}

10. The Effectiveness of Natural Homemade Organic bedbug Pesticide and its Effect on Human Health
    \text{Sarah N. Khisa}
    \text{Sigalagala National Polytechnic, Kakamega, Kenya}

11. Use of Coriander in the Treatment of Kidney Failure in Kenya
    \text{Rolex Jepkoech}
    \text{Rift Valley Technical Training Institute, Kenya}

12. Some Poisonous Plant Entities and their Physiological Mechanisms of Actions
    \text{Langat Kimutai}
    \text{Rift Valley Technical Training Institute,}

13. Metabolic Engineering of Microalgae for Improved Biodiesel Production as a Novel Energy Source
    \text{Kathleen Musungu}
    \text{Coast Institute of Technology}
   Alex Kobia
   Kiambu Institute of Science and Technology (KIST)

   1Forrester O. Odongo, 2Victor Wasike & Oyoo E. Maurice
   1Shamberere Technical Training institute,
   2Kenya Agricultural and Livestock Research organization & 3Egerton University Kenya

16. Integrated Sustainable, Agriculture, Food and Health Care
   Dr. Jack Kagwa Gitae
   The School of Alternatively Medicine and Technology, Nyeri

17. Sustainable Agriculture, Food and Health Care
   Veronica Onjoro
   Mount Kenya University, Kenya

18. Bioaccumulation of Heavy Metals in Pig Forage: A Case of Munyaka Estate, Uasin-Gishu County
   Cleophas Kimutai Cherop
   Jomo Kenyatta University of Agriculture and Technology

19. An Economic Valuation of the Benefits of Kingwal Wetland’s to the Local People
   Chepkwony Gladys Cherono, Odwori Paul Okelo & Ipara Hellen
   University of Eldoret, Eldoret, Kenya

   Thomas M Nyabero
   Kenya Institute of Highways and Building Technology, Kenya

21. Can a Community Health Worker led Intervention improve Utilization of Post-Partum Family Planning? Evidence from A Quasi Experiment Conducted in Mwingi West Sub County.
   Japheth Mativo Nzoki1 Agnes Korir2, James H. Ombaka1, Rosebella O. Onyango3
   1University of Kabianga, Kericho, 2Daystar University, Nairobi
   3Maseno University, Kisumu, Kenya

22. Factors Affecting Implementation of Rural Road Projects in Trans Nzoia County: A Survey of County Government Projects
   Wamocho Leonard Kingasha
   Jomo Kenyatta University of Science & Technology & Kitale National Polytechnic

23. Friendly Battery: Generating Electrical Energy from Irish Potatoes
   Mr. Were Calvins Miseda,
   Ol’lessos TTI.

24. My Blood Donor Application: Prototype to Address low Blood Shortages in Kenya
   Nahashon Kiari,
   Nkabune TTI

24. Relationship between Healthy Diet and Prevention of Lifestyle Diseases in Uasin Gishu County, Kenya
   Mercy Jeruto
   Rift Valley Technical Training Institute, Eldoret, Kenya
TRACK 5: Cross Cutting Interdisciplinary themes on Sustainability

1. **Students’ Attitudes towards Home Science Subject in Selected Secondary Schools: A Case of Elgeyo Marakwet County**
   Abigael Chelagat, Kisilu Kitainge & Gertrude Were
   University of Eldoret

   1,Riungu Festus Kinyua, 2,Dr Thomas A. Senaji & 3,Dr Hellen Mugambi
   1,Kenya Methodist University, 2,Thika Technical & 3,Senior Lecturer St Paul University

3. **Decolonizing Development: Devolution, Democratization and Development in the Postcolonial Period**
   Vundi Nason (PhD)
   St. Pauls University Limuru, Kenya

4. **Ethics: An Inclusive Foundation for Sustainable TVET.**
   Kimeli Richard
   Moi University, Eldoret, Kenya

5. **Effect of Verbal Sexual Harassment on Students’ Self-Esteem in Selected Secondary Schools in Nyamira and Kiambu Counties, Kenya**
   Naom kemuna Ondicho, Prof. Kisilu Kombo, Dr. Felistus Njuguna
   Kenyatta University Department of Educational Management, Policy and Curriculum Studies

   Kennedy W. Nyongesa1, Prof. Mark Okere2 & Prof. Zachary K. Mbugua2
   1,Kitale National Polytechnic & 2,Egerton University & Karatina University

7. **Effects of Cultural Tourism on Local Community Empowerment in Kakamega County, Western Kenya**
   Consolata Oduya
   Rift Valley Technical Training Institute – RVTTI Eldoret

8. **The Challenges of Gender Mainstreaming among Community Organizations in Mathare Slums**
   Dr. Vundi Nason, Catherine W. Kiarie & Jane W. Ndungu,
   St. Paul’s University, Limuru

9. **Harnessing youth Energy for unity in Kenya: A Study into the Role of Secondary Education in the Fostering of National Cohesion in Kenya**
   Mr. Bulbulen, Arap Maritim
   Rift Valley Technical Training Institute, Kenya

10. **Class Teacher’s Perception on the Use of Hidden Curriculum in Class Room Context, in Meeting the Psychosocial Needs of Learners in Middle Primary School in Migwani, Kitui County, Kenya**
    Tina Vundi & Professor Joseph Mworia Wamutitu
    St. Paul’s University & Egerton University

11. **Perception of University Students on What the Media Portrays as “Ideal” Body Image**
    Dorcas Serem, Nancy Nguchara and Gertrude Were
    Department of Family & Consumer Sciences of the University of Eldoret

12. **The Anatomy of Effective Publishing: Sensibility of Applying Ethical Considerations or Publish and Perish**
    Dr. Vundi Nason (Phd)
    St. Pauls University Limuru, Kenya
13. Religion and Gender Inequality, are Women Exploited in Religion? Case of Women in Africa Inland Church, Nairobi Region East Church Council, Nairobi County
   Dr. Vundi Nason, Kennedy Wilson Ginda & Grace Wendo Muthoni
   St. Paul’s University, Limuru

14. Business Analytical Tools and Facilities for Illuminating Dark Data
   Felister Munyi Wanyaga & Njeru Mwiti Kevin
   Thika technical training Institute & Mount Kenya University, Thika, Kenya

15. Mobile Based Electronic Polling Systems: A Security Perspective Overview
   James Kosgey, Anither J. Rotich & Shadrack K Kimutai
   Rift Valley Technical Training Institute, Eldoret, Kenya