

University of Nairobi
College of Biological and Physical Sciences

CONFERENCE TITLE

Science for Development: Supporting Manufacturing, Affordable Housing, Universal Healthcare and Food Security

24-25 October, 2018, Chiromo Campus (off Riverside Drive) University of Nairobi

CALL FOR ABSTRACTS

Science, Technology and Innovation (STI) are major drivers of Socio-economic development. Concerted efforts, including multi-disciplinary approaches are however necessary for the realization of significant impacts in society. This Conference seeks to bring together seasoned and upcoming scientists from all over the globe to deliberate on the role of science, technology and innovation in accelerating sustainable manufacturing, universal healthcare, food security and affordable housing. The conference presents an opportunity for scholars of all shades to come and share their findings in the form of oral presentations; posters or exhibitions in the identified thematic areas below.

Overall Conference theme: *Science, Technology and Innovation in the Acceleration of Sustainable Manufacturing, Universal Healthcare, Food security and Affordable Housing.*

Subthemes:

1. Science and technology for sustainable industrial transformation in manufacturing, value addition and job creation.

- Improved manufacturing processes
- Start-Ups, SMEs; MSMEs and Spin-offs
- Natural and artificial raw materials in manufacturing
- Biotechnology in Manufacturing
- Nanotechnology in manufacturing
- Statistical Quality control and acceptance sampling in manufacturing
- Automation for improved manufacturing

- Alternative sources of energy for development
 - Science- Investment Partnerships for Training and Technology Transfer
 - Climate Change Mitigation and Environmental Conservation
- 2. Accelerating sustainable Universal Health Care Through Advances in Scientific Research, Technology and Innovation**
- Water, Sanitation and Hygiene (WASH) technologies.
 - Improved Diagnostic techniques
 - Drug Discovery
 - Actuarial models for health insurance
 - Models for disease prediction
 - Geo-environment and health
 - Indigenous knowledge and Traditional Health systems
 - Advances in management and disposal of hazardous wastes
- 3. Promoting collaborative scientific research and innovation in development and utilization of Affordable Building Materials and Technologies.**
- :Advances in materials for construction
 - Planning for housing: climatic and geo-environmental risks in housing
 - Rating of housing for quality features
 - Green-housing technologies
- 4. Scientific research, technology and innovations for sustainable food production:**
- Insects for food and feed
 - Advances in crop protection
 - Monitoring, Early Warning Systems for Agriculture and Livestock
 - Genetically Modified Foods and Crops
 - Climate Change and Smart Agriculture
 - Water for Food Security
 - Rocks for Crops
 - Biofuels and alternative energy sources versus food security

Original contributions are welcome.

ABSTRACT SUBMISSION GUIDELINES

- Abstracts must be submitted in English.
- Abstracts will be submitted and reviewed under the specified subthemes.

- The title of the presentation must indicate the review subtheme (as listed here above) in brackets.
- Only those abstracts from authors who have registered and paid up the registration fees will be included in the final program.
- Submission of an abstract acknowledges your acceptance for the abstract and the research work to be published in the conference publications.
- Abstracts must be original and must not be or have been published.
- **Abstracts must be received not later than 31st July 2018.**
- The Conference Committee will determine suitability of abstracts and whether it is accepted as a poster or for oral presentation.
- The lead author will be notified of the abstract status. It is the responsibility of the presenting author to ensure that all co-authors are aware of the contents of the abstract before it is submitted.

IMPORTANT DATES

Call for Abstracts	May 31, 2018
Deadline for submission of Abstracts	September 30, 2018
Acceptance notification	October 5, 2018
Deadline for submission of full papers	October 20, 2018
Conference Registration Opens on:	July 15, 2018
Conference Registration Deadline	September 20, 2018

CONFERENCE REGISTRATION FEES:

International participants: USD 100

East Africa Participants: USD 20 (KES 2,000)

East Africa Graduate Students: USD 10 (KES 1,000)

ABSTRACT PREPARATION

Abstract must bear the title, name of presenting author and co-authors, their affiliation details and the email of the presenting author. Abstract title should be limited to 25 words and in UPPER CASE. Abstract text must be limited to 300 words or less. We recommend using word-processing software (for example, Ms Word) for editing your abstract and counting the number of words. Abstracts should include the following information: Background and aims, Methods, Key Results, Conclusions with indication of how work can help to overcome real life challenges and lead to better practices for improved society.

CONFERENCE VENUE

View the link to the conference website: <http://uonresearch.org/sfd2018/>

LOCAL ORGANISING COMMITTEE

- 1. Dr. Nelson Onyango (Chair)**
- 2. Dr. Catherine Kuloba**
- 3. Dr. Joseph Mutemi**
- 4. Dr. Musembi Robinson**
- 5. Dr. Outa George**
- 6. Dr. Benard Kulohoma**
- 7. Dr. Mburu Stephen**
- 8. Dr. Madadi Vincent**
- 9. Dr. Josephat Mulwa**
- 10. Prof. Daniel Olago**
- 12. Ms. Doreen Alusa (Secretary to the committee)**
- 13. Prof. Bernard Aduda, Principal CBPS (Host)**

CONTACTS:

Dr Nelson Onyango (Committee chair), and
Ms. Doreen Alusa (Committee Secretary)

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