



AfricaLics'15

17-19, November 2015

Hosted by

University of Rwanda

**Unpacking systems of innovation for
sustainable development in Africa**

**CONFERENCE
PROGRAMME**





SCIENTIFIC COMMITTEE

- Abdelkader Djeflat, University of Lille, France/Algeria
- Anna Kingiri, African Centre for Technology Studies, and AfricaLics Secretariat Kenya
- Aschalew Tigabu, African Centre for Technology Studies, and AfricaLics Secretariat Kenya
- Banji Oyelaran-Oyeyinka, UN-HABITAT, Nairobi, Kenya
- Bideri Ishuheri Nyamulinda, University of Rwanda
- Bitrina Diyamett, Science, Technology and Innovation Policy Research Organization, Tanzania
- Boladale Abiola, National Centre for Technology Management, Obafemi Awolowo University, Nigeria
- Erika Kraemer-Mbula, Institute for Economic Research on Innovation, Tshwane University of Technology, South Africa
- Mammo Muchie, Department of Science and Technology and the National Research Foundation, Tswane University of Technology, South Africa
- Margrethe Holm Andersen, Globelics Secretariat and Aalborg University, Denmark
- Nelson Ijumba, University of Rwanda
- Rasigan Maharajh, Institute for Economic Research on Innovation, Tshwane University of Technology, South Africa
- Rasmus Lema, Globelics Secretariat and Aalborg University, Denmark
- Rebecca Hanlin, African Centre for Technology Studies and AfricaLics Secretariat Kenya
- Thomas Kjellqvist, Blekinge Institute of Technology, Sweden
- Verdiana Grace Masanja, University of Rwanda



LOCAL ORGANIZING COMMITTEE

- Alphonse Muleefu, College of Arts and Social Sciences, University of Rwanda
- Abimana Fidele, University of Rwanda
- Akimana Virginie, University of Rwanda
- Uwanyiringira Ange, University of Rwanda
- Bideri Ishuheri Nyamulinda, College of Business and Economics (CBE), University of Rwanda
- Christine Ingabire, University of Rwanda
- Francios Kayitare Tengera, University of Rwanda
- Gaga Didier, University of Rwanda
- Hakizimana Ceasar, University of Rwanda
- Kiyaga Elias, University of Rwanda
- Leon Niyibizi, College of Agriculture and Veterinary Medicine, University of Rwanda
- Malinga Chris, University of Rwanda
- Michele Ndahimana, College of Business and Economics, University of Rwanda
- Micomyiza Jean Baptiste, University of Rwanda
- Mugwaneza Olivier, University of Rwanda
- Munyabugingo Bonaventure, University of Rwanda
- Munyazikwiye Thierry, University of Rwanda
- Murangwa Darius, University of Rwanda
- Mutaganda Jocelyne, University of Rwanda
- Nambajimana Djamari, University of Rwanda
- Ndahimana Michel, University of Rwanda
- Ndibwirende Jean Claude, University of Rwanda
- Nelson Ijumba, University of Rwanda
- Nyapidi Daniel, University of Rwanda
- Nzeyimana Jean Theoneste, University of Rwanda
- Nizeyimana Kizito, University of Rwanda
- Oreste Niyonsaba, Ministry of Education, Rwanda
- Pudance Rubingisa, University of Rwanda
- Remy Twiringiyimana, Ministry of Education, Rwanda
- Rudasingwa Janvier, University of Rwanda
- Said Rutabayi Ngoga, College of Science and Technology, University of Rwanda
- Sendanyoye Peter, University of Rwanda
- Tugirumuremyi Daniel, University of Rwanda
- Théogène Nyandwi, College of Medicine and Health Sciences, University of Rwanda
- Theophile Niyonzima, College of Business and Economics, University of Rwanda
- Tsinda Aime, College of Education, University of Rwanda
- Umugire Emmanuel, University of Rwanda
- Umutoni Christine, University of Rwanda
- Uwanyiringira Ange, University of Rwanda
- Verdiana Grace Masanja, University of Rwanda
- Student volunteers, University of Rwanda



AFRICALICS ORGANIZING COMMITTEE

- Anna Kingiri, African Centre for Technology Studies, and AfricaLics Secretariat Kenya
- Aschalew Tigabu, African Centre for Technology Studies, and AfricaLics Secretariat Kenya
- Bitrina Diyamett, Science, Technology and Innovation Policy Research Organization, Tanzania
- Fridah Nkirote, African Centre for Technology Studies
- Margrethe Holm Andersen, Globelics Secretariat, Denmark
- Marie Christine Gasingirwa, Ministry of Education, Rwanda
- Mourine Chepkemoi, African Centre for Technology Studies, and AfricaLics Secretariat Kenya
- Moses Owidhi, African Centre for Technology Studies, and AfricaLics Secretariat Kenya
- Rebecca Hanlin, African Centre for Technology Studies, and AfricaLics Secretariat Kenya
- Verdiana Grace Masanja, University of Rwanda

SPONSORS

The organizing committee gratefully acknowledges financial support from the following institutions

- The University of Rwanda
- Sida (Swedish International Development Cooperation Agency, Sweden)
- ACTS (African Centre for Technology Studies)
- GLOBELICS (Global Network for the Economics of Learning Innovation and Competence Building Systems)



PRACTICAL INFORMATION

DATES AND VENUE OF THE CONFERENCE

Dates: 17-19 November 2015

Conference venue: College of Business and Economics, University of Rwanda, Kigali

Access to the conference venue begins at 8:00AM

An information desk will be available during the days of the event to attend to information requests.

TRANSPORTATION TO AND FROM THE CONFERENCE VENUE

Buses will depart from outside the conference hotels every day at 8:00 A.M. (i.e. on the 17th, 18th and 19th, November, 2015). Please be on time since the buses leave on time. If you miss the buses, you may need to take a taxi. So take note of the address of the conference venue: University of Rwanda, College of Business and Economics, KK 737 Street, Gikondo, Mburabuturo, Kigali .

On Thursday 19th November at 16:45, the conference closes. Following this, participants will have two options:

- A) Return to their hotels and take a shuttle to the airport in due time.
- B) Go directly to the airport from the conference venue (if this option is preferred you should carry your luggage with you to the conference venue in the morning and keep it with you during the day). But it is important to note that you should inform the organizing committee in advance about your wish to be picked up from the conference venue. If you fail doing so, you will be responsible for booking your shuttle/taxi to the airport yourself.

REGISTRATION

Registration takes place at Conference Venue.

BADGE

Participants should kindly wear their personal named badges at all times during the conference.

LUNCHES

All lunches are served at the conference venue.

DINNERS

On the evening of Tuesday 17th November 2015, a welcome reception will be held. Additionally on Wednesday 18th November 2015 a conference dinner will be served. Both events take place at Nobleza Hotel where most guests will be accommodated. In addition, for those whose accommodation is sponsored by AfricaLics dinners will be paid for at your hotels for the night of 16th November.



SESSIONS

PLENARY SESSIONS

A number of sessions will take place in plenary. These include the: opening ceremony, open symposium, keynote addresses, expert panel session and the closing ceremony.

PAPER PARALLEL SESSIONS

Each paper parallel session normally includes three papers and lasts 90 minutes. Time allowing, the paper presenters should highlight one or two issues from the other papers presented in the session of particular relevance to their own work. One discussant will subsequently comment on all papers presented in the session. The discussion then continues in plenary.

The standard time schedule for the sessions devoted to presentation of papers looks like this

- Introduction = 5 minutes
- First paper presentation by the author = 15 minutes
- Second paper presentation by the author = 15 minutes
- Third paper presentation by the author = 15 minutes
- Discussant of all three papers = 15 minutes
- General discussion and replies from the authors = approximately 25 minutes.

Projectors will be available for PowerPoint presentations. **We recommend that presenters bring their own laptops.**

Please be aware that it is not possible to guarantee WIFI connection at the venue, so everything the presenters wish to present should be available offline.

SPECIAL SESSIONS

In addition to the Paper Parallel Sessions where full papers are presented, three Special Sessions will be organized during the conference. The special sessions are all organized as round table/panel discussions and focus on specific themes. An Education and Teaching Track comprising three sessions and focusing on education and teaching of innovation and development at African Universities will also occur.

POSTER SESSION

Poster presenters will be presenting their work and answering questions during the poster session. The posters are intended to quickly communicate the ideas and relevance of the papers presented.

ABSTRACTS, FULL PAPERS AND PARTICIPANT LIST

All abstracts, full papers and the participant list are available for download through ConfTool. It is recommended that participants download these to their devices before travelling to Rwanda if possible.



CONFERENCE REVIEW PROCESS

The 2nd AfricaLics Conference in Kigali, Rwanda received over 110 full paper submissions from which 70 have been selected for presentation. The selection of papers is based on a double blind peer review process focusing on relevance, academic quality and originality.

A total of 73 scholars, appointed by the AfricaLics Secretariat, contributed as reviewers. The referee corps have been essential to ensure the quality of papers presented at the conference. The AfricaLics Scientific Board and the AfricaLics Secretariat are grateful for the contribution of scholars that dedicate their valuable time and support in reviewing the conference papers.



2nd **AfricaLics International Conference**

PROGRAMME IN SUMMARY





TUESDAY 17TH NOVEMBER



08:00	Buses depart from hotels to the conference venue
08:30 – 09:00	Registration
09:00 – 10:15	OPENING SESSION
10:15 – 10:45	Break /Group Photo
10:15 – 14:15	INNOVATIONS EXHIBITION
10:45 – 13:15	OPEN SYMPOSIUM WITH KEYNOTE ADDRESS
12:00 – 12:40	KEYNOTE SPEECH DR. GECI KARURI-SEBINA
13:15 – 14:15	Lunch and final chance to review exhibition
14:15 – 15:45	EXPERT PANEL SESSION
15:45 – 16:15	Break
16:15 – 17:45	Paper parallel session 1 (Paper session 1A, Paper session 1B, Paper session 1C, Paper session 1D & Paper session 1E)
17:45 – 18:45	POSTER SESSION
18:00	Buses leave conference venue for Nobleza Hotel
19:00 – 22:00	Welcome reception at Nobleza Hotel

**WEDNESDAY 18TH NOVEMBER**

08:00



Buses depart from hotels to the conference venue

08:30 – 08:45

Break

08:45 – 10:15

Paper parallel session 2 (Paper session 2A, Paper session 2B, Paper session 2C, Paper session 2D)

10:15 – 10:45

Break

10:45 – 12:15

Special sessions (Special session A, Special session B)

12:15 – 13:15

Education and Teaching Track Session 1

13:15 – 14:15

Lunch

14:15 – 15:45

Paper parallel session 3 (Paper session 3A, Paper session 3B, Paper session 3C, Paper session 3D)

15:45 – 16:15

Break

16:15 – 17:45

Paper parallel session 4 (Paper session 4A, Paper session 4B, Paper session 4C, Paper session 4D, Paper session 4E)

18.00

Buses leave conference venue for Nobleza Hotel

19.00 – 22.00

Conference dinner at Nobleza Hotel



THURSDAY 19TH NOVEMBER



08.00	Buses depart from hotels for conference venue
08:30 – 08:45	Break
08:45 – 10:15	Paper parallel session 5 (Paper session 5A, Paper session 5B, Paper session 5C)
10:15 – 10:45	Break
10:45 – 11:45	KEYNOTE SPEECH PROF. FRED GAULT
11:45 – 12:45	Education and Teaching Track Session 3
12:45 – 13:45	Lunch
13:45 – 14:15	Notices (book launches, AfricaLics online forums, other news)
14:15 – 15:45	Special session C & Education and Teaching Track Session 3
15:45 – 16:00	Break
16:00 – 16.30	Closing ceremony
16.45	Buses back to hotels OR direct to airport



2nd AfricaLics International Conference

PROGRAMME IN DETAIL





TUESDAY 17TH NOVEMBER

08.00 **BUSES DEPART FROM HOTELS FOR THE CONFERENCE VENUE**

08.30 – 09.00 **REGISTRATION**

All plenary sessions today will be held in the ground floor lecture theatre on the left hand side of the building: GLT

OPENING SESSION

Chair: Prof. Nelson Ijumba, DVC, Academic Affairs and Research, University of Rwanda



9.00 – 9.10

WELCOME REMARKS

Prof. Philip Cotton, Vice Chancellor, University of Rwanda

9.20 – 9.30

WELCOME REMARKS

Dr. Bitrina Diyamett, Executive Director, Science, Technology and Innovation Policy Research Organization (STIPRO), Tanzania & Chair, AfricaLics Scientific Board

9.30 – 9.45

REMARKS

Dr. Pernilla Rafiqi - First Secretary, Senior Programme Manager, Research and Higher Education, Embassy of Sweden

9.45 – 10.10

OFFICIAL OPENING

Dr. Papias Musafiri Malimba- Minister of Education, Rwanda

10.10-10:15

VOTE OF THANKS

Prof. Verdiana Grace Masanja – University of Rwanda & Chair, 2nd International AfricaLics Conference Scientific Committee

10.15 – 10.45

BREAK AND GROUP PHOTO

10.15 – 14:15

INNOVATIONS EXHIBITION

OPEN SYMPOSIUM WITH KEYNOTE ADDRESS

Chair: Dr. Ignatius Gatare, Director General of National Commission of Science & Technology

10:45 - 11:15

INNOVATION AND DEVELOPMENT: PERSPECTIVE FROM EUROPE

Prof. Per Eriksson, University of Lund, Sweden

11:15 - 11:30

THE ROLE OF INNOVATION IN DEVELOPING COUNTRIES

Prof. Bengt-Åke Lundvall, Aalborg University & Secretary General Globelics

11.30 - 12:00

OVERVIEW OF STI IN RWANDA

Dr. Marie Christine Gasingirwa, Director General, Science, Technology and Research, Rwanda.

12:00 - 12:40

KEYNOTE ADDRESS

STI AND DEVELOPMENT RESEARCH IN AFRICA: WHAT DOES THE FUTURE LOOK LIKE?

Speaker: Dr. Geci Karuri-Sebina, IERI, South Africa



12:40 - 13:15

DISCUSSION

Chair: Dr. Ann Kingiri, AfricaLics & ACTS, Kenya

13:15 - 14:15

LUNCH

14.15 - 15:45

EXPERT PANEL SESSION STI FOR AFRICA'S DEVELOPMENT

Chair: Dr Nicholas Ozor, ATPS Network, Kenya

Panelists:

- Prof Benjamin Ozumba, Vice Chancellor, University of Nigeria.
- Dr Peggy Oti-Boateng, Senior Programme Specialist/Coordinator of The African Network of Scientific and Technological Institutions (ANSTI), UNESCO, Zimbabwe
- Dr. Marie-Christine Gasingirwa, Director General for Science, Technology and Research in the Ministry of Education, Rwanda
- Dr. Tomas Kjellqvist, Research Manager, Technoscience Studies, Bleking Institute of Technology, Sweden & Vice-Chair Swedish National Commission for Unesco

15.45 - 16.15

BREAK

16.15 - 17.45

PAPER PARALLEL SESSION 1

PAPER SESSION 1A: WORK ORGANIZATION AND FIRM PERFORMANCE

Room: GL1

Chair: Prof Bruce Krogh, Director Carnegie Mellon University in Rwanda

Discussant: Mike Awoleye

- **The Impact of Technological Innovation on the Performance of Nigerian Outdoor Advertising Firms**
Titilayo O. Olaposi, Joshua B. Akarakiri and Omolola O. Ijidakinro
- **Innovation barriers, external search strategies and firms' performance: An analysis of manufacturing firms in Nigeria**
David Adeyeye, Jacob Opele, Abiodun Egbetokun, Omolayo Oluwatope and Maruf Sanni.
- **Drivers of eco-innovation in the manufacturing sector of Nigeria**
Sanni Maruf and Michael Francis



PAPER SESSION 1B: FINANCING AND SUPPORTING INNOVATION AND DEVELOPMENT

Room: GL2

Chair: Prof. Kopparthi Murty, Ag. Principal, College of Business and Economics

Discussant: Peter Lating

- **Proposed Model of Coupling Modules at Higher learning Institutes to Achieve Tangible Research Outcomes to Enhance Innovation and Growth**
Gaurav Bajpai and Jaya Shukla
- **The role of formal, higher education in sustainable development within the context of globalization: Kenya**
Gladys Nthenya Kivati and Joel Onyango
- **Usability and Pedagogical Design: Evaluating Learning Management Systems**
Raymond Mugwanyanya

PAPER SESSION 1C: INCLUSIVE INNOVATION

Room: GR1

Chair: Dr. Alphonse Mukefu, Ag. Principal, College of Arts and Social Sciences

Discussant: Dolphine Anyango

- **Local Traditional Knowledge (LTK) Weather Forecasting in the midst of Climate Change in Domboshawa, Zimbabwe**
Vincent Itai Tanyanyiwa
- **Re-thinking the Power of indigenous Knowledge for Advancing Innovation in the Development of Rural Communities in Africa**
Manir Abdullahi Kamba
- **Zikism: the Fourth Pillar, Indigenous Knowledge and Africa's Advancement**
Chika Ezeanya

PAPER SESSION 1D: THEORETICAL, CONCEPTUAL, ANALYTICAL DISCUSSIONS ON INNOVATION AND DEVELOPMENT

Room: GR2

Chair: Dr. Laetitia Nyinawamwiza, Principal, College of Agriculture, Animal Science and Veterinary Medicine

Discussant: Denis Akouwerabou

- **Status of Environmental Sustainability as One of Millennium Development Goal (MDG 7) in Rwanda**
Jules Kazungu, Gislain Ngoga Tenge and Juvenal Mukurarinda
- **Unlocking the Potential of Vulnerable Communities for Sustainable Development through Conservation Agriculture Practices in Homa Bay County, in Kenya**
Pamella Were-Kogogo
- **Yield Differentials Among Participating and Non-Participating Rice Farmers in Public Private Partnership in Benue and Ogun States, Nigeria**
Jonathan Akinwale



PAPER SESSION 1E: INNOVATION, DEVELOPMENT AND ORGANIZATIONAL FORMS

Room: GR3

Chair: Prof. Manasse Mbonye, Principal, College of Science and Technology

Discussant: Bideri Ishuheri Nyamulinda

- **The role of higher education and financial institutions in the promotion of innovation Industrial development, manufacturing and SMEs as part of the innovation system**
Eric Njoroge Ndugire
- **A review of implications for building livelihood assets through innovation partnerships on smallholder farmers' food security in Kenya**
Lilian Kidula Lihasi, Christopher Onyango and Washington Ochola

17:45 – 18:45 **POSTER SESSION**

RESEARCH POSTERS

Room: GR1

- **Spread Effect of Small and Medium Enterprises on Economic growth of Rwanda**
Jaya Shukla
- **Improving Exergy Efficiency of Geothermal Power Plants Condensers. (Case study of Olkaria II Geothermal Power Plant in Kenya)**
Nyambane Nahshon
- **Development and use of STI indicators in Africa: Challenges and Prospects**
Niringiye Aggrey
- **The challenges faced by women entrepreneurs in business expansion: A case study of women members of handicraft cooperatives in Nyarugenge District**
Bajpai Gaurav
- **Jugaad Innovation: The Concept and the Controversy An Innovation Systems Perspective from India**
Fayazahmad Sheikh
- **Review of linkage between innovation and agricultural research in Africa**
Opeyemi E. Ayinde
- **Role of Soil-Plant Spectral Diagnostics in Reducing Farmer Decision Risk**
Abdub Huri Galgallo

19:00 **BUSES DEPART THE CONFERENCE VENUE FOR NOBLEZA HOTEL**

20:00 – 22:00 **WELCOME RECEPTION AT NOBLEZA HOTEL**



WEDNESDAY 18TH NOVEMBER



08.00

BUSES DEPART FROM HOTELS FOR THE CONFERENCE VENUE

08.30 – 08.45

BREAK

08:45 – 10.45

PAPER PARALLEL SESSION 2

PAPER SESSION 2A: WORK ORGANIZATION AND FIRM PERFORMANCE

Room: GL1

Chair: Fidele Abimana

Discussant: Opeyemi E. Ayinde

- **How innovation conditions the search for external knowledge: a study of Nigerian firms**
Abiodun Egbetokun and Mammo Muchie
- **Influence of Absorptive Capacity on Innovativeness of Information Technology Products and Service Providers in Lagos, Nigeria**
Stanley Ibeku and Williams Nwagwu
- **Knowledge Acquisition and Assimilation for Innovation in Less Developed Countries: Exploring the role of returnee entrepreneurs in Kenya**
Mreji Pamela Adhiambo

PAPER SESSION 2B: FINANCING AND SUPPORTING INNOVATION AND DEVELOPMENT

Room: GL2

Chair: Robert Aidoo

Discussant: Ndikubwimana Philippe

- **Inclusive innovation for poor farmers: the case of e-wallet in Nigeria**
Emmanuel, Ejim-Eze
- **Social enterprise innovations and capital accumulation among small holder farmers in Kenya**
Gideon Wafula Wekesa
- **Mobile Money services and socio-economic development in Rwanda: a gender perspective**
Liberata Mukamana and Eugenie Byukusenge

PAPER SESSION 2C: INCLUSIVE INNOVATION

Room: GR1

Chair: Herbert Lwanga

Discussant: Chika Ezeanya

- **Stimulating Innovation and Entrepreneurship among the Kenyan Youth**
Victor Awino, Maurice Bolo, and Dorine Odongo
- **Enhancing growth in communities by harnessing grassroots innovation and indigenous knowledge for improved livelihoods in the lake Victoria basin, Kenya, a case study of Kajulu-Kisumu**
Mary Akinyi Adada
- **Exploring Business Incubation Practices in Developing Economies: Lessons for Nigeria**
Adelowo Caleb, Ukpabio M. G, Olaopa O. R. and Siyanbola W. O



PAPER SESSION 2D: THEORETICAL, CONCEPTUAL, ANALYTICAL DISCUSSIONS ON INNOVATION AND DEVELOPMENT

Room: GR2

Chair: Ntsane Moleleki

Discussant: Raymond Mugwanya

- **Nanotechnology, the MDGs/SDGs and Sustainability**
Hailemichael Teshome Demissie
- **Innovative use of unmanned aerial vehicle (uav) technology in quelea-control: can it fly?**
Shira Efron and Julius Gatune Kariuki
- **A Perspective on Satellite Technology Capacity in Africa**
Kayode Odimayomi, Michael O.Kolawole and Joe Amadi-Echendu

10:15 – 10:45 BREAK

10:45 – 12:15 SPECIAL SESSIONS A & B

SPECIAL SESSION A

BUILDING NATIONAL RESEARCH CAPACITY ON INNOVATION: THE CASE OF SOUTH AFRICA

Room: Lecture Theatre GLT

Chair: Dr. Erika Kraemer-Mbula (IERI/ Centre of Excellence in Scientometrics and Science, Technology and Innovation Policy - SciSTIP, South Africa)

Presenters

Dr. Heidi Prozesky, Research Manager - DST-NRF SciSTIP: South Africa's scientific capacity

Prof. Rasigan Maharajh, Director, IERI; Nodal Head SciSTIP: Looking into the future: innovation capacity needs in South Africa

Dr. Ntsane Moleleki, Senior Specialist, the National Advisory Council on Innovation, NACI: Contribution of research capacities to national objectives: NACI perspective:

Discussant

Professor Fred Gault, UNU-MERIT & TUT-IERI

This panel will discuss South Africa's experience in building national capacities for STI.



SPECIAL SESSION B

GENDER, YOUTH AND DISABLED IN INCLUSIVE INNOVATIONS

Room: Lecture Theatre GRT

Chair: Dr. Ann Kingiri, African Centre for Technology Studies (ACTS)

Presenters

Winnie Asiti, ACTS, Kenya: The role of youth in innovation in Kenya

Judy Nyaga, United disabled persons of Kenya (UDPK): Disabled in income generating activities: challenges and opportunities

Herbert Lwanga, Coordinator, Log`el Project, Uganda: Role of youth and disabled in STI and development in East Africa

Lydia Miriti, Kenya Livestock Agricultural Research Organisation (KLARO): Gender concerns in banana production and marketing: their impacts on resource poor households in Kenya.

This session explores understandings of inclusive innovation in different contexts in relation to marginalized groups.

12:15 – 13:15 EDUCATION AND TEACHING TRACK 1

EXPERIENCE WITH EDUCATION IN INNOVATION AND DEVELOPMENT IN AFRICA

Room: GL1

Chair: Dr. Ann Kingiri, ACTS, Kenya

Speakers

Prof. Peter Lating, Makerere University, Uganda. Experience with education in innovation and development: the case of Makerere University

Dr. Robert Aidoo, Kwame Nkrumah University of Science and Technology (KNUST). Experience with education in innovation and development: the case of KNUST

Dr. Rebecca Hanlin, ACTS, Kenya. Experience with Master module on Innovation & Development, the case of AfricaLics

This discussion session outlines examples of teaching currently available in African universities in the area of innovation and development. Short presentations will be followed by an open Q&A.

13:15 – 14:15 LUNCH



14:15 – 15:45

PAPER PARALLEL SESSION 3

PAPER SESSION 3A: WORK ORGANIZATION AND FIRM PERFORMANCE

Room: GL1

Chair: Gaurav Bajpal

Discussant: Ameha Mulugeta

- **Production, innovation capability and performance: empirical study of ict clustered firms in developing countries**

Olusesan M. Awoleye, Mathew O. Ilori and Timothy O. Oyebisi

- **Technological learning and competence building in the Micro, small and medium enterprises: A Case of the Wood furniture Industry**

Musambya Mutambala

- **Evidence-based assessment of innovation capability in the gulf cooperation council countries**

Michael O. Awoleye, Ruth Wambui and Pamela Mreji

PAPER SESSION 3B: FINANCING AND SUPPORTING INNOVATION AND DEVELOPMENT

Room: GL2

Chair: Prof. Mammo Muchie

Discussant: Sanni Maruf

- **Innovating in a Resource Based Economy: role of R&D and non-R&D activities**

Jegade Oluseye Oladayo

- **Empirical Analysis and Policy Options for National Growth: Innovation, Technological Learning and Investment**

Adeyemi Adepaju and Abiodun Egbetokun

PAPER SESSION 3C: INCLUSIVE INNOVATION

Room: GR1

Chair: Dr. Margerthe Holm Anderson

Discussant: Julius Gatune Kariuki

- **Economic Analysis of On-Farm Trial of Drought Tolerant Maize in Kwara State Nigeria: A Gender and Innovation Approach**

Opeyemi Ayinde, Tahirou Abdulaye, Felix Takim, Adeola Oloyede and Folusho Bankole

- **Gender order and horticultural value chain**

Ruth Githiga

- **Meal cultures and Indigenous vegetables**

Anne Aswani

- **Gender roles and Indigenous vegetables**

Emma Oketch



PAPER SESSION 3D: THEORETICAL, CONCEPTUAL, ANALYTICAL DISCUSSIONS ON INNOVATION AND DEVELOPMENT

Room: GR2

Chair: Benard Muok

Discussant: Caleb Adelowo

- **Assessing the exposure of Kenya's food crops to the impacts of climate change**
Joanes Atela
- **Evaluation of knowledge integration and dissemination along innovation supply chain in Ilorin metropolis, Kwara state, Nigeria: a case study of Moriga products**
Opeyemi E. Ayinde; Jubril O Animashaun; Mammo Muchie, Ifedotun V. Aina and Oladotun E. Ojo
- **Enhancing coordination for innovation in evolving smallholder focused agri-food systems in SSA: Reflections on the experiences of Dairy Hubs in Kenya**
Catherine W. Kilelu, Laurens Klerkx and Cees Leeuwis

15:45 – 16:15 BREAK

16:15 – 17:45 PAPER PARALLEL SESSION 4

PAPER SESSION 4A: WORK ORGANIZATION AND FIRM PERFORMANCE

Room: GL1

Chair: Rasmus Lema

Discussant: Jegede Oluseye

- **Exploring Roles of a Religious Organization in Renewable Energy Technology Diffusion: A Case of Ethiopian Orthodox Tewahedo Church**
Kassahun Y. Kebede and Toshio Mitsufuj
- **Technological Capability Development Opportunity for Africa through Infrastructure Development Projects**
Ameha Mulugeta
- **Assessment of National Technological Capability for Sustainable Biofuels Development in Nigeria**
Ibikunle O. Ogundari, Joshua B. Akarakiri and John-Felix K. Akinbami

PAPER SESSION 4B: FINANCING AND SUPPORTING INNOVATION AND DEVELOPMENT

Room: GL2

Chair: Samuel Akomea

Discussant: Eric Njoroge Nduyire

- **Building Local Innovative Communities in Sub-Saharan Africa: Does Huge Investments in Early Childhood Education Really Matter?**
Ayodele Shittu
- **Technological Capability Building in Tanzania: A Comparative Analysis of the Metal Entrepreneurs Attended Vocational Training against those attended Apprenticeship**
Heric Thomas Mtei



PAPER SESSION 4C: INCLUSIVE INNOVATION

Room: GR1

Chair: Micheline Goedhuys

Discussant: Abiodun Egbetokun

- **Productivity spillover from Foreign Direct Investment in the Ethiopian manufacturing: Evidence from quantile regression**
Abdi Yuya Ahmad
- **The Knowledge Failure: Muslim World and the National Innovation System Perspective**
Bibi Ishrat Hassan

PAPER SESSION 4D: THEORETICAL, CONCEPTUAL, ANALYTICAL DISCUSSIONS ON INNOVATION AND DEVELOPMENT

Room: GR2

Chair: Maurice Bolo

Discussant: Adeola Oloyede

- **Poverty and Socio-Economic Profile of Some Selected Communities in Nigeria: The Use of Innovation Instruments**
Douglason Omotor, Bernhard Ishioro and Freeman Orubu
- **Poverty alleviation in rural Kenyan communities: Do self-help groups play a role?**
Dolphine Caroline Anyango
- **Survey of the Role of Communication in Community Development: Discourses of Poverty Reduction in Ethiopia**
Mengistu Tulu Balcha

PAPER SESSION 4E: FINANCING AND SUPPORTING INNOVATION AND DEVELOPMENT

Room: GR3

Chair: Jaya Shukla

Discussant: Geoffrey Banda

- **Horticultural System Innovation in the Kenya's Credence Goods Export Industry: A Value Chain Management Perspective**
Martin Kang'ethe
- **The role of financial institutions and SMEs in promoting innovation in Rwanda**
Ndikubwimana Philippe
- **Why African microfinance organizations are not transforming and what is needed**
Olaide Rufai Akande and Hephzibah Obekpa

18:00 **BUSES LEAVE CONFERENCE VENUE FOR NOBLEZA HOTEL**

19:00 – 22:00 **CONFERENCE DINNER AT HOTEL**



THURSDAY 19TH NOVEMBER



08.00

BUSES DEPART HOTELS FOR CONFERENCE VENUE

08.30 – 08.45

BREAK

08.45 – 10.15

PAPER PARALLEL SESSION 5

PAPER SESSION 5A: WORK ORGANIZATION AND FIRM PERFORMANCE

Room: GL1

Chair: Abdelkader Djeflat

Discussant: Philippe Ndikubwimana

- **Patent Licensing in Spatial Competition – Does Pre-innovation Cost Asymmetry Matter ?**
Bouguezzi Fehmi
- **Effet de l'innovation financière sur la stabilité de la demande de monnaie au Cameroun: une approche par le modèle ARDL**
Gregory Mvogo and Desire Avom

PAPER SESSION 5B FINANCING AND SUPPORTING INNOVATION AND DEVELOPMENT

Room: GL2

Chair: Lydia Miriti

Discussant: Ruth Githiga

- **Bringing Traditional Cereals Back to The Dinner Table- What can we learn from Resilience of Cassava in West Africa to Strengthen Traditional Grains Innovation Systems**
Julius Gatune
- **Arguments For and Against 'Sack' Potato Production in Zimbabwe: An Urban Planning Perspective on Food Systems Innovations**
Elmond Bandaoko
- **Incentives for community-level, inclusive, climate-smart water innovations in Kenya**
Joel Onyango and Gladys Nthenya Kivati

PAPER SESSION 5C: FINANCING AND SUPPORTING INNOVATION AND DEVELOPMENT

Room: GR1

Chair: Aschalew Tigabu

Discussant: Mreji Pamela Adhiambo

- **Factors influencing adoption of technologies and innovations in smallholder honey production in south-western Nigeria**
Temitope O. Olatubosun, B.A. Oluwale, and M.O. Ilori.
- **Factors Influencing Entrepreneurial Orientation of Smallholder Farmers in South-western Nigeria**
Ibraheem A. Akangbe, Billy A. Oluwale, Titilayo O.Olaposi, and Caleb M. Adelowo
- **Assessing Agricultural Production Systems from a Sustainability Perspective: Some Findings from Agro-Ecological Zones of Africa**
Kalu Ukpai Ifegwu



10.15 – 10.45 **BREAK**

10.45 – 11.45 **KEYNOTE ADDRESS 2
SCIENCE, TECHNOLOGY AND INNOVATION STRATEGY FOR AFRICA AND
MEASUREMENT/INDICATORS**

Speaker: Fred Gault, UNU-MERIT & TUT-IERI

Room: Lecture Theatre GLT

11.45 – 12.45 **EDUCATION AND TEACHING TRACK 2
EXPERIENCE WITH USE OF PROBLEM BASED LEARNING (PBL) IN EDUCATION IN
AFRICA**

Room: GL1

Chair: Dr. Margrethe Holm Andersen, Aalborg University, Denmark

Speakers

Dr. Samuel Akomea, Kwame Nkrumah University of Science and Technology (KNUST), Ghana. Experience with introducing course-based PBL model at African universities.

Dr. Dorothy Okello, Makerere University, Uganda: Experience with introducing course-based PBL model at Universities: the case of Makerere University

This session will consider one option for revitalizing teaching through the use of innovative pedagogic approaches.

12:45 – 13:45 **LUNCH**

13:45 – 14:15 **NOTICES**

BOOK LAUNCHES, AFRICALICS ONLINE FORUMS, OTHER NEWS

14.15 – 15.45 **SPECIAL SESSION C & EDUCATION AND TEACHING TRACK SESSION 3**

SPECIAL SESSION C

INCLUSIVE INNOVATION AND DEVELOPMENT: REFLECTIONS AND PROJECTIONS

Room: Lecture Theatre GLT

Chair: Maurice Bolo (SCINNOVENT Centre)

Speakers

Dr. Julius Mugwagwa, The Open University, UK: The paradox of choice in South African and Zimbabwean health systems: can national health spending decisions be more inclusive?

Dr. Geoffrey Banda, University of Edinburgh: UK From the global to the local: how can effective and affordable medicines be sustainably produced in Africa?

Dr. Vuyo Mjimba, University of South Africa: Mineral commodities and the political economy of mining in Africa: the case of Tanzania

Richmond Attah-Ankomah, The Open University, UK: Is China as a new source of sustainable innovation capabilities for Africa's small to medium enterprises?

This session will analyse the historical causes of and responses to some of the challenges facing African economies, through the lens of inclusive innovation, interrogating the analytical and predictive strengths of innovation systems thinking.



EDUCATION AND TEACHING TRACK 3

VISIONS FOR FUTURE TEACHING AND EDUCATION IN INNOVATION AND DEVELOPMENT IN AFRICA (MSC AND PHD LEVEL)

Room: Lecture Theatre GRT

Chair: Rebecca Hanlin, AfricaLics Secretariat

Speakers

Prof. Peter Lating, Makerere University, Uganda

Dr. Bitrina Diyamett, Science, Technology and Innovation Policy Research Organization, Tanzania

Dr. Tomas Kjellqvist, Research Manager, Technoscience Studies, Bleking Institute of Technology, Sweden & Vice-Chair Swedish National Commission for Unesco

This session considers where the future of innovation and development postgraduate teaching might look like, the challenges and opportunities in meeting these future scenarios.

15:45 – 16:00 BREAK

16:00 – 16:30 CLOSING CEREMONY

16.45 BUSES BACK TO HOTELS OR DIRECT TO AIRPORT





African Network for Economics of Learning, Innovation and Competence Building System (AfricaLics) is the African chapter of the Global Network for Economics of Learning, Innovation and Competence Building System (GLOBELICS).

AfricaLics is an African regional network for researchers involved in innovation and development research with a specific interest in promoting learning, innovation and competence building systems approaches.

2015.africalics.org
www.africalics.org

