



# **AfricaLics'17**

**27 - 29, November 2017**

**Hosted by**

**University of Oran 2**

**Mohamed Ben Ahmed**

**Theme:**

**Emerging innovation systems for  
sustainable development in Africa**

**CONFERENCE  
PROGRAMME**



## SCIENTIFIC COMMITTEE

- Abdelkader Djeflat, University of Lille, France/Algeria
- Alexandre Vera Cruz, UAM, Mexico
- Ann Kingiri, African Centre for Technology Studies, and AfricaLics Secretariat Kenya
- Bitrina Diyamett, Science, Technology and Innovation Policy Research Organization, Tanzania
- Mohamed Cherchem, University of Oran 2, Algeria
- David Kaplan, University of Cape Town, South Africa
- Erika Kraemer-Mbula, University of Johannesburg, South Africa
- Mammo Muchie, Department of Science and Technology and the National Research Foundation, Tswane University of Technology, South Africa
- Margrethe Holm Andersen, Aalborg University, Denmark
- Rasigan Maharajh, Institute for Economic Research on Innovation, Tshwane University of Technology, South Africa
- Rasmus Lema, Aalborg University, Denmark
- Rebecca Hanlin, African Centre for Technology Studies and AfricaLics Secretariat Kenya
- Seddik Amroun, University of Oran2, Algeria

## **LOCAL ORGANIZING COMMITTEE**

- Mr. Seddik Amroun: President of the Conference and chair of the LOC
- Mr. Mohamed Cherchem: Co-Chair
- Mr. Mourad Kahloula - Member
- Mr. Seddiki Aouissine - Member
- Mr. Youcef Mebbani - Member
- Mr. Fethi Ferhane - Member
- Mme Ratiba Ayad - Member
- Mr Benouazani Mhamed - Member
- Mr Samir Maliki - Member
- Mme. Semaoune Khalissa - Member

## AFRICALICS ORGANIZING COMMITTEE

- Ann Kingiri, African Centre for Technology Studies, and AfricaLics Secretariat Kenya
- Bitrina Diyamett, Science, Technology and Innovation Policy Research Organization, Tanzania
- Margrethe Holm Andersen, Globelics Secretariat, Denmark
- 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

## SPONSORS

The organizing committee gratefully acknowledges financial support from the following institutions

- University of Oran 2, Algeria
- Sida (Swedish International Development Cooperation Agency, Sweden)
- ACTS (African Centre for Technology Studies)



## **PRACTICAL INFORMATION**

### **DATES AND VENUE OF THE CONFERENCE**

Dates: 27-29 November 2017

Conference venue: University of Oran 2 Mohamed Ben Ahmed, Algeria

Access to the conference venue begins at 7:45 am (Day 1 & 2 at Oran 2 University and Day 3 at Hotel Eden Phoenix)

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 7:45 A.M. (i.e. on the 27th and 28th November, 2017). 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 Oran2, Mohamed Ben Ahmed.

On Wednesday 29th November at 14:50, the conference closes. Following this, participants will have two options:

- A) Take a tour of Oran and heritage landmarks.
- B) Go directly to the airport from the conference venue. Please note that its important that you should inform the hotel in advance about your wish to be transfered to the airport after the event finishes. If you fail doing so, you will be responsible for booking your shuttle/taxi to the airport yourself.

### **REGISTRATION**

Registration takes place at Hotel Eden Phoenix on 26th November 2017.

### **BADGE**

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

### **LUNCHES**

All lunches are served at the conference venue. (Day 1 & 2 at University of Oran and Day 3 at Hotel Eden Phoenix)

### **DINNERS**

On the evening of Monday 27th November 2017, a welcome reception will be held at hotel Eden Phoenix 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 nights of 26<sup>th</sup>, 28<sup>th</sup> and 29<sup>th</sup> November 2017.

## **SESSIONS**

### **PLENARY SESSIONS**

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

### **PAPER PARALLEL SESSIONS**

Each paper parallel session normally includes three to four 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 = 12 - 15 minutes
- Second paper presentation by the author = 12 - 15 minutes
- Third paper presentation by the author = 12 - 15 minutes
- Fourth paper presentation by the author = 12 minutes
- Discussant of all papers = 12 - 15 minutes
- General discussion and replies from the authors = approximately 25 minutes.

**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 that take place in parallel. The special sessions are organized as round table/panel discussions and focus on specific themes.

### **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 Oran if possible.

### **DAY 3 AT HOTEL EDEN PHOENIX**

Following two days of discussion predominately on research output, the morning sessions of Day 3 focus specifically on how to ensure research and teaching of innovation and development studies leads to quality research outputs. Three plenary sessions are scheduled. These are open to all participants.

## **CONFERENCE REVIEW PROCESS**

The 3<sup>rd</sup> AfricaLics Conference in Oran, Algiers received over 230 full paper submissions from which 84 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 70 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.





# **3<sup>rd</sup>** **AfricaLics International Conference**

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## **PROGRAMME IN SUMMARY**

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## Monday 27<sup>TH</sup> NOVEMBER

07:45	Buses depart from hotels to the conference venue Hyme National
08:30 - 08:45	Welcome Remarks Dr. Seddik Amroun, Recteur Université d'Oran 2
08:45 - 09:00	Welcome remarks Dr. Bitrina Diyamett, STIPRO Tanzania & Chair, AfricaLics Scientific Board
09:00 - 09:20	Official Opening
09:20 - 09:30	Overview of programme Prof. Abdelkader Djeflat France/Algeria
09:30 - 10:00	<b>Break and Group Photo Session</b>
10:00 - 10:45	<b>KEYNOTE ADDRESS 1: NATURAL RESOURCES – FROM RESOURCE CURSE TO RESOURCE FOR INNOVATION</b> Prof. David Kaplan – University of Cape Town, South Africa
10:45 - 11:00	Break
11:00 - 12:30	<b>Paper parallel session A</b> (Paper session A1, Paper session A2, Paper session A3, Paper session A4 & Paper session A5)
12:30 - 14:00	<b>Lunch Break</b>
14:00 - 14:45	<b>KEYNOTE ADDRESS 2: Prof. Belkacem Habba</b>
14:45 - 14:50	<b>Break</b>
14:50 - 16:20	<b>Paper parallel session B</b> (Paper session B1, Paper session B2, Paper session B3, Paper session B4 & Paper session B5)
16:20 - 16:45	Break
16:45 - 18:00	<b>Paper parallel session C</b> (Paper session C1, Paper session C2, Paper session C3, Paper session C4, Paper session C5, Paper session C6)
19:00 - 22:00	Welcome reception at Hotel Eden Phoenix

## TUESDAY 28<sup>TH</sup> NOVEMBER

08:00	Buses depart from hotels to the conference venue
09:00 - 10:30	<b>Paper parallel session 3</b> (Paper session D1, Paper session D4, Paper session D5)
10:30 - 10:45	Tea/Coffee Break
10:45 - 11:30	<b>KEYNOTE ADDRESS 3</b> STI FOR SUSTAINABLE INDUSTRIAL DEVELOPMENT IN AFRICA – RESEARCH CHALLENGE AND POLICY OPTIONS Prof. Edward Lorenz
11:30 - 12:30	<b>PLENARY PANEL ON SUSTAINABLE DEVELOPMENT GOALS - SDGs</b> <b>Convener:</b> Ann Kingiri, Kenya
12:30 - 14:00	<b>Lunch Break</b>
14:00 - 15:30	<b>Special Session 1</b> - Engineering, Design and Innovation for sustainable development <b>Special Session 2</b> - The nexus between work organisation and innovation: relevance for Africa
15:30 - 16:00	<b>Health Break</b>
16:00 - 16:20	<b>Announcements</b> Information on Globelics 2018, Ghana - Justina Onumah Book Launch - Mammo Muchie and Abdelkader Djeflat Information on AfricaLics 2019, Tanzania - Bitrina Diyamett
16:20 - 16:45	<b>Conference closing ceremony</b>

## WEDNESDAY 29<sup>TH</sup> NOVEMBER

*All sessions at Hotel Eden Phoenix*

**Panel Sessions:** Focusing on research quality in innovation and development studies

08:30 - 10:00	Understanding Innovation and Development (I&D) Studies
10:00 - 10:15	<b>Health Break</b>
10:15 - 12:00	Developing Innovation and Development (I&D) research skills for PhD students
12:00 - 12:15	<b>Break</b>
12:15 - 13:15	Experiences of developing post - graduate studies: Examples form around the continent
13:15 - 14:30	<b>Lunch Break</b>
14:30	<b>Report to bus pick up point for the tour of Oran City</b>
15:00 - 19:00	Tour of Oran and Heritage landmarks: Roman, Byzantine, Turkish etc. Organised by: Conference Local Organising Committee (LOC)





**3<sup>rd</sup>**  
**AfricaLics International**  
**Conference**

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**PROGRAMME IN DETAIL**

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## Monday 27<sup>th</sup> NOVEMBER

07:45                    **BUSES DEPART FROM HOTELS FOR THE CONFERENCE VENUE**

### OPENING SESSION

- 08.30 - 08.45            **National Anthem**  
**WELCOME REMARKS**  
Dr. Seddik Amroun, Recteur Université d'Oran 2
- 08.45 - 09.00            **WELCOME REMARKS**  
Dr. Bitrina Diyamett, Executive Director, Science, Technology and Innovation Policy  
Research Organization (STIPRO), Tanzania & Chair, AfricaLics Scientific Board
- 09.00 - 09:20            **OFFICIAL OPENING**  
Minister of Higher Education and Research, Algeria
- 09:20 - 09:30            **Overview of programme**  
Prof. Abdelkader Djeflat, France/Algeria
- 09:30 - 10:00            **BREAK AND GROUP PHOTO SESSION**
- 10:00 - 10:45            **KEYNOTE ADDRESS 1: NATURAL RESOURCES – FROM RESOURCE CURSE  
TO RESOURCE FOR INNOVATION**  
Prof. David Kaplan – University of Cape Town, South Africa
- 10:45 - 11:00            Break
- 11.00 - 12:30            **PAPER PARALLEL SESSION A**

### PAPER SESSION A1: FRENCH PAPERS

**Chair:** Pr TRARI Mustapha

**Room:** Lieu : Bibliothèque de la Faculté Science de la Terre (salle 1)

**Discussant:** Laurence Nkakene Molou

- **L'effet de l'innovation financière sur la croissance économique en Afrique Subsaharienne**  
*TCHOUTO*
- **Vers Un Modèle d'Innovation Territorial ? Les Clusters comme outil de développement territorial**  
*Younes FERDJ, Abdelkader Hamadi*
- **La gouvernance et l'industrie des hydrocarbures en Algérie.**  
*Aimen Amira*

## PAPER SESSION A2: ADOPTION OF TECHNOLOGY

**Chair:** Pr SEBAA Rabeh

**Room:** Bibliothèque de la faculté des Sciences de la Terre ( salle 2)

**Discussant:** Olusesan Micheal Awoleye

- **Impact of improved rice threshing technology use on sustainable rice production efficiency: A counterfactual treatment effect approach.**  
*Philomena Chioma-Akalugo Ogwuike, Aminou Arouna, Adewale O. Dipeolu, Jean Moreira, O. F Ashaolu, T.O.A Banmeke*
- **Adoption of Improved Storage Technology among Small-Scale Farmers in Nigeria**  
*Opeyemi Eytayo Ayinde, Sinmidele Mercy Jacob, Adeola Oreoluwa Oloyede*
- **Associations between intensification interventions and herd productivity in smallholder dairy farms in the Kenyan Highlands**  
*Fredrick Odiwuor Agutu*
- **Demand side contextual drivers of inclusive innovation: The case of Kenya's energy efficient appliances Sector**  
*Mourine Chepkemoi, Rebecca Hanlin, Simon Batchelor, Nigel Scott*

## PAPER SESSION A3: ENABLING ENVIRONMENT

**Chair:** David Kaplan

**Room:** Bibliothèque de la Faculté de Droit (salle 3)

**Discussant:** Agejoh Patrick Ageh

- **Experiences of Industrial and Trade Policies in Africa**  
*Aggrey Niringiye*
- **Economic Institutions and sub-Saharan Africa - China Trade: a gravity model approach**  
*Patrick Marie Nga Ndjobo*
- **Integrated border management systems and trade facilitation in the East African Community**  
*Vedaste NDIZERA*

## PAPER SESSION A4: SUSTAINABLE DEVELOPMENT RELATED ISSUES

**Chair:** Ann Kingiri

**Room :** Bibliothèque de la Faculté de Droit (salle 4)

**Discussant:** Philippe Ndikubwimana

- **Indigenous Beverage Production and Economic Empowerment of Rural Women in Rwanda**  
*Vedaste Ndungutse*
- **Indigenous Vegetable Production and Rural Women Economic Empowerment in Africa: Reality, Prospects and Challenges in Rwanda**  
*Chika Ezeanya, Nathan Kanuma Taremwa, Djamali Nambajimana, Olivier Mugwaneza*
- **Gender analysis of introduction of technological innovations in rice sector of Ghana**  
*Monica Addison, Kwasi Kwasi Ohene-Yankyera, Robert Aidoo*
- **Gender analysis of on-farm trial and demonstration in technological innovation: A case study of stress tolerant maize seed production industry in Nigeria**  
*Opeyemi Ayinde, Tahirou Abdoulaye, Gbadebo Olaoye, Kemi Omotesho, Adeola Oloyede, Grace Akinsola*

## **PAPER SESSION A5: TECHNOLOGICAL CAPABILITY AND CAPACITY BUILDING**

**Chair:** Pr HAMIDI Mansour

**Room:** Bibliothèque de la Faculté de Droit (salle 5)

**Discussant:** Oluseye Oladayo Jegede

- **Technological Capability Building Process among Tenant Firms in Nigerian Technology Incubators**  
*Caleb Muyiwa ADELOWO, Mathew O. Ilori, Willie O. Siyanbola*
- **Transplant and technological capability building in Africa: the case of IVM**  
*Emmanuel Emeka Ejim-Eze*
- **Dynamics of knowledge search strategies for eco-innovation in the manufacturing sector of Nigeria**  
*Sanni Morufu MUHAMMED*

12:30 - 14:00      **LUNCH BREAK**

14:00 - 14:45      **KEYNOTE ADDRESS 2**  
Dr. Belkacem Habba

14.45 - 14:50      **BREAK**

**14.50 - 16:20      PAPER PARALLEL SESSION B**

## **PAPER SESSION B1: FRENCH PAPERS**

**Chair:** Pr BENBAKHTI Omar

**Room:** Bibliothèque Science de la Terre (Salle 1)

**Discussant:** Yamina Grari

- **L'appropriation, une condition de la réussite des innovations, l'exemple des systèmes d'information dans les PME algériennes**  
*Youcef MEBBANI, Abdenour MEDJEDDED*
- **Les compétences et les capacités essentielles à la réussite de la transformation digitale des entreprises : Une étude exploratoire sur 94 entreprises algériennes**  
*Fethi FERHANE, Abdelkader DJEFLAT*
- **RENDEMENT PRIVE DE L'USAGE DES TIC AU SEIN DES ENTREPRISES**  
*Kouassi Boniface KOUADIO*

## **PAPER SESSION B2: ADOPTION OF TECHNOLOGY**

**Chair:** Pr YELLES CHAOUCH Bachir

**Room:** Bibliothèque de la Faculté des Sciences de la TERRE (Salle2)

**Discussant:** Waliu Mulero Adegbite

- **Role of professional organisations in the national system of innovation: Case of the South African Council of Natural Science Professionals.**  
*Samuel N Fongwa, Bongwiwe Mncwango*
- **Analyzing role of extension agents on conservation agriculture innovative practices and opportunity for agro-industrial sector in Zimbabwe**  
*Mclarence Shungu Mandaza*
- **ICT Use among Agricultural Extension Workers: A study in Agricultural Development Programme (ADP) Centre Imo state, Nigeria**  
*Ebelechukwu Gloria Igwe*

## **PAPER SESSION B3: ENABLING ENVIRONMENT**

**Chair:** Pr ALI CHERIF

**Room:** Bibliothèque Faculté de Droit (Salle 3)

**Discussant:** Vedaste Ndizera

- **Working Capital Management and Financial Performance: Evidence from Firms Listed at the Nairobi Securities Exchange, Kenya**  
*Daniel Mogaka Makori*
- **Rural Financial Services and Effects on Livestock Production in Ethiopia**  
*Wegayehu Bogale Fitawek*
- **African Citation Index - More than Ten Years after**  
*Williams Nwagwu*
- **Citation impact indicators of research performance in sub-Saharan Africa**  
*Desiree Sehlapelo Ibouanga Bassoumba*

## **PAPER SESSION B4: SUSTAINABLE DEVELOPMENT RELATED ISSUES**

**Chair:** Zelalem Bayisa Gurmessa

**Room:** Bibliothèque de la Faculté de Droit (Salle 4)

**Discussant:** Kahinde Stephen Medase

- **Strengthening Agricultural Innovation Systems using Global Value Chains: A Remedy for Smallholder Farmers? Reflections from Tanzania**  
*Heric Thommas Mtei*
- **The Role of Innovation in the Fish Industry: A Case of Vertical Integration in Lagos State Fish-hub, Nigeria**  
*Opeyemi Eytayo Ayinde, Hussain Kobe Ibrahim, Mercy Funke Salami, Lanre Ebenezer Ajibola, Muchie Mammo*
- **Innovating beyond the Production System for Global Competitiveness of Basic Metals and Engineering Industries**  
*Yichalewal Goshime Gebremaryam, Daniel Kitaw Azene*

## PAPER SESSION B5: TECHNOLOGY CAPABILITY AND CAPACITY BUILDING

**Chair:** Mammo Much

**Room:** Bibliothèque de la Faculté de Droit (Salle 5)

**Discussant:** Sanni Morufu MUHAMMED

- **Accumulation of technological capabilities and development profiles: the need to consider techno-economic and socio-political spheres**  
*Alexandre Vera-Cruz, Gabriela Dutrenit, José Miguel Natera, Martin Puchet*
- **Factors Influencing Technological Capability Building in the Nigerian Solar Energy Industry**  
*Adeyemi Oluwaseun Adepoju*
- **Policy Direction in enhancing Technological Capability and Innovation in Machine Fabrication and Spare Parts Industry in Part of Southwest Nigeria**  
*Sunday Osebor Amiolemen, Olapeju Aderinola Adenekan, Koleayo Oluwafemi Omoyajowo, John A Ogidan, Patrick C Akas*
- **Unemployment casualties: Dynamics between education system and innovation capability in the manufacturing sector**  
*Victor Oluwasina Sobanke, Oluwanishola Okogun*

**16:20 - 16:45 BREAK**

**16:45 - 18:00 PAPER PARALLEL SESSION C**

## PAPER SESSION C1: FRENCH PAPERS

**Chair:** Pr MILIANI Mohamed

**Room:** Bibliothèque de la Faculté des Sciences de la Terre (Salle1)

**Discussant:** Kouassi Boniface KOUADIO

- **Les particularités de la capacité d'innovation et leur effet sur la performance des grandes entreprises camerounaises**  
*Laurence Nkakene Molou*
- **Le numérique améliore-t-il la productivité du capital humain en Afrique sub-saharienne ?**  
*Louis de berquin MBONGO EYIKE*
- **De la veille stratégique à la maîtrise de l'environnement : Une condition stratégique**  
*Kamila Hamidou, Yamina Grari*

## PAPER SESSION C2: ADOPTION OF TECHNOLOGY

**Chair:** Bitrina Diyamett

**Room:** Bibliothèque de la faculté des Science de la Terre (Salle 2)

**Discussant:** Abiodun Egbetokun

- **'New Issues' in Innovation and Trade: A Study of the U.S Social Media-Driven Information Economy in India**  
*Rajesh Many*
- **The dynamics of open access in sub-saharan Africa as engendered by innovation inputs: The case of Kenya and Nigeria**  
*Olusesan Michael Awoleye, Gladys Nthenya Kivati, Timothy Oyedepo Oyebisi*
- **Economy of Clustering, Innovation and Scaling-up: an analysis of West Africa's Silicon Valley**  
*Oluseye Oladayo Jegede, Adegbola Billy Oluwale, Blessing Funke Ajao, Emmanuel Ogunjemilua*
- **Enhancing competitiveness through innovative lean manufacturing (Incases of Ethiopian metal and steel industries)**  
*Shimelis Tilahun Meselu, Daniel Kitaw Azene, Eshetie Berhan Atanaw*

### PAPER SESSION C3: ENABLING ENVIRONMENT

**Chair:** Pr TAHARI Khalid

**Room:** Bibliothèque de La Faculté de Droit (Salle 3)

**Discussant:** Opeyemi Ayinde

- **Policy Analysis of Gender Inclusiveness in Security and Health System in Nigeria: System Dynamics Approach**  
*abiodun suleiman Momodu, phillip olalekan Ayoola, Tolulope Indiat Bakare, taiwo abioye olunuga, ibikunle olalekan ogundari*
- **Antecedents and Impacts of Brain-Drain in Sub-Saharan Africa with specific reference to the Higher Education and Health Sectors: A Conceptual Model**  
*Zelalem B. Gurmessa, Ignatius W. Ferreira, Henry F. Wissink*
- **Gender Diversity and enterprises' innovative capability: Evidence from mediating effect of women educational level in Nigeria**  
*Tukur Garba, Erika Kraemer-Mbula*

### PAPER SESSION C4: SUSTAINABLE DEVELOPMENT RELATED ISSUES

**Chair:** Pr SOUIYAH Sid Ahmed

**Lieu :** Bibliothèque de La Faculté de Droit ( Salle 4)

**Discussant:** Heric Thommas Mtei

- **Wastes from Industrialized Countries: A Socio-economic inquiry on Sustainable Management of E-waste for the Recycling Sector in Nigeria**  
*Johnson Ojiyovwi Okorhi, Douglasson G Omotor, Helen O Aderemi, Sunday Igwe Abang*
- **Green Investment and Business Performance: The African Experience**  
*Joseph Akinkugbe Adelegan*
- **Reverse Logistics Drivers as an Initiation for Green Innovation and Sustainable Industrial Development: An Assessment of Selected Ethiopian Publishing Industries**  
*Fitsum Getachew Bayu, Ameha Mulugeta Gewe*

### PAPER SESSION C5: TECHNOLOGICAL CAPABILITY AND CAPACITY BUILDING

**Chair:** Alexandre Vera Cruz

**Room:** Bibliothèque de La Faculté de Droit (Salle 5)

**Discussant:** Emmanuel Emeka Ejim-Eze

- **Factors Influencing the Implementation of E-commerce Innovations: the case of the Nigerian informal sector.**  
*Blessing Funke Ajao, Timothy Oyebisi, Helen Aderemi*
- **Learning and innovation performance in developing countries: Empirical study of informal enterprises in Ghana**  
*Elvis Korku Avenyo*
- **Absorptive Capacity in Manufacturing SMEs: Do all Dimension Matter for Innovation Performance?**  
*Mirabel Godswill Ukpabio, Timothy Oyedepo Oyebisi, Owolabi Willie Siyanbola*

## PAPER SESSION C6: FIRM PERFORMANCE AND INFORMAL SECTOR

**Chair:** Pr CHERCHEM Mohamed

**Room:** Auditorium

**Discussant:** Oluwayemisi Oyekunle

- **Comparing Work Organization and Innovation Performance in Low and Middle Income Nations**

*Edward Lorenz, Erika Kraemer-Mbula*

- **Does Innovation improve the productivity of firms in least developed countries? Evidence from Ethiopia's Enterprise Survey**

*Abdi Ahmad Yuya*

- **Frugal innovation strategies for the BoP markets in Kenya**

*Gladys Kivati*

**19:30**                    **WELCOME DINNER AT HOTEL EDEN PHOENIX**

## TUESDAY 28<sup>TH</sup> NOVEMBER

**08:00**                    **BUSES DEPART HOTEL EDEN PHOENIX FOR CONFERENCE VENUE**

**09:00 - 10:30**        **PAPER PARALLEL SESSION D**

### PAPER SESSION D1: FRENCH PAPERS

**Chair:** Pr ZAHDOUR Sahli

**Room:** Bibliothèque science de la Terre (salle 1)

**Discussant:** Younes FERDJ

- **L'évaluation de la stratégie d'innovation dans les entreprises Algérienne : étude de cas dans la société du gaz et l'électricité SONELGAZ**

*Nadia Ahmadouche*

- **The determinant of innovation in small and medium-sized enterprises (SMEs) in subsaharan Africa: The case of Cameroon**

*Martin Ndzana, Michelle Mongo, Gregory Mvogo*

- **Effects of participatory governance approaches on local sustainable development in Benin**

*René Babarindé ADEROMOU, Mahmoudou Bocar SALL*

- **L'INNOVATION DANS LES SERVICES ET L'ECONOMIE DE LA CONNAISSANCE : CAS DES BANQUES ET DES ASSURANCES PUBLIQUES ALGERIENNES**

*MAHCINE, Hala Miada; CHERCHEM, Mohamed; AMROUN, Seddik*

#### **PAPER SESSION D4: SUSTAINABLE DEVELOPMENT RELATED ISSUES**

**Chair:** Pr BENBAKHTI Omar

**Room:** Bibliothèque Science de la Terre (salle 2)

**Discussant:** Samuel Fongwa

- **Tackling the root causes of challenges in Africa for a sustainable development: An empirical review**  
*Philippe Ndikubwimana*
- **The role of creative industries as a driver for a sustainable economy: A Case of South Africa**  
*Oluwayemisi Oyekunle*
- **Model for Training Unemployed Youths in Industrial processing of Cereal into Composite Flour in Agriculture for Sustainable Development in Enugu State**  
*Juliana Ukonze*

#### **PAPER SESSION D5: TECHNOLOGY CAPABILITY AND CAPACITY BUILDING**

**Chair:** Pr SEBAA Rabeh

**Room:** Bibliothèque de la Faculté de Droit (Salle 3)

**Discussant:** Abdi Yuya Ahmad

- **Credit Constraint, Corruption and Firm Performance: Evidence from Nigeria**  
*Abiodun Adeyemi Egbetokun, Adedamola David Adeyeye, Adekemi Jessica Oluwadare*
- **Developing Organizational Innovation Capabilities through Human Resources Management Practices: Evidence from Nigeria's Brewery Industry**  
*Waliu Mulero Adegbite, Emeka Emmanuel Okafor*
- **Human Capital, Social Capabilities and Economic Growth**  
*Abiodun Egbetokun*
- **Innovation and Employment Growth: Evidence from Nigerian Manufacturing Firms**  
*Kehinde Stephen Medase*

**10:30 - 11:00    TEA/COFFEE BREAK**



**10:45 - 11:30 KEYNOTE ADDRESS 3 - STI FOR SUSTAINABLE INDUSTRIAL DEVELOPMENT IN AFRICA – RESEARCH CHALLENGE AND POLICY OPTIONS**  
Prof. Edward Lorenz - University of the Côte d'Azur

**11:30 - 12:30 PLENARY PANEL ON SUSTAINABLE DEVELOPMENT GOALS - SDGs**

**Convener:** Ann Kingiri, Kenya

**Panelist:** Bitrina Diyamett, Tanzania; Aggrey Niringiye, Uganda; Justina Onumah, Ghana

The agreement on the new Sustainable Development Goals (SDGs) and the coming into force of the 2030 Agenda for Development is a defining moment in the developmental discourse and for the future of the planet. Two of the SDGs i.e. Goal 9 ('Build resilient infrastructure, promote sustainable industrialization and foster innovation') and Goal 17 ('Partnerships for the SDGs, including the Technology Facilitation Mechanism) deal directly with technological learning and innovation that are key issues for many members of AfricaLics and for AfricaLics as a network. However, STI issues also remain highly relevant for many of the other SDGs, including goals related to ending hunger; ensuring decent work and economic growth; good health and well-being; affordable and clean energy; responsible consumption and production, etc.

The big question thus is how we as researchers and as a research network can contribute to providing research-based evidence for the use of STI in implementing the SDGs. Researchers in and linked to the AfricaLics network have generated knowledge related to many of the SDGs and might have a special advantage in so far as supporting the implementation of Goals 9 and 17 in particular given its focus on (technological) learning, innovation and competence building systems.

**12:30 - 14:00 LUNCH BREAK**

**14:00 - 15:30 SPECIAL SESSIONS**

**SPECIAL SESSION 1: ENGINEERING, DESIGN & INNOVATION FOR SUSTAINABLE DEVELOPMENT**

**Conveners:** Abdelkader DJEFLAT & Mammo Muchie

**Room:** bibliothèque science de la Terre (salle 1)

**Panelist:** Samir Maliki, Algeria, Ali Ousnadj, Algeria; Abiodun Egbetokun, Nigeria, Fitsum Getachew Bayu, Ethiopia

Consider the process through which a road, hospital, car or tractor is built, a factory or restaurant layout agreed on. Engineering and design are key elements of this process. Engineering and design are an essential part of the innovation process. Any product before commercialisation must go through a process of design and engineering to finalise what the product will look like, how it will work etc. Later, products need repair but also improvement or re-engineering to meet new/ different customer needs. Engineering and design solutions are not just important for physical products but also increasingly recognised as important in organisational innovation too. Engineering and design solutions are central to the success of the services sector. At the same time, these engineering and design solutions need to be innovative or creative. This session will interrogate the relationship between engineering, design and innovation; the current state of the field and what solutions are there to mainstream engineering and design in the innovation process.

## **SPECIAL SESSION 2: THE NEXUS BETWEEN WORK ORGANISATION AND INNOVATION: RELEVANCE FOR AFRICA**

**Conveners:** Erika Kraemer-Mbula and Edward Lorenz

**Room:** bibliothèque science de la Terre (salle 2)

**Panelists:** *Oluseye Jegede, Nigeria; Tukur Garba, Nigeria; Youcef MEBBANI, Algeria; Waliu Mulero Adegbite, Nigeria and Gregory Mvogo, Cameroon*

This panel explores the nexus between the organisation of work and innovation activities, with particular focus on small and micro-enterprises, since they constitute the largest portion of productive units in the African continent. The panel will present a range of new evidence showing the importance of work organisation and experience-based learning, in our ongoing efforts to capture the underlying processes of innovation in African micro-enterprises. In particular, the panel will present the results of an AfricaLics-funded research project focused on innovation and competency building in micro and small enterprises (formal and informal) across four Sub-Saharan countries and in a range of selected sub-sectors. The AfricaLics project was undertaken in part to demonstrate the feasibility of measuring the characteristics of work organisation and employee learning in micro and small enterprises. The panel will also count with contributions from other African scholars that have also collected new evidence in this area of research.

**15:30 - 16:00**      **TEA/HEALTH BREAK**

**16:00 - 16:20**      **Announcements**

Information on Globelics 2018, Ghana - Justina Onumah

Book launch - Mammo Muchie and Abdelkader Djeflat

AfricaLics Conference 2019, Tanzania - Bitrina Diyamett

**16:20 - 16:45**      **Conference closing ceremony**

## WEDNESDAY 29TH NOVEMBER

### **Panel Sessions: Focusing on research quality in innovation and development studies**

Questions of research quality and excellence are often asked in all research arenas at the present time. The need for researchers to 'publish or perish' has received a lot of attention in recent years however there is also an increasing need in some African countries for PhD students to publish journal papers even before they can receive their PhD. These debates often obscure the real importance of high quality teaching and research skills that are the bedrock of a good academic. The three sessions on this last day of the AfricaLics conference focus on some of the questions and issues affecting the teaching, learning and research environment facing innovation and development studies.

**These sessions are open to all participants.**

### **08:30 - 10:00 UNDERSTANDING INNOVATION AND DEVELOPMENT (I&D) STUDIES**

**Session Chair:** Ann Kingiri

This session will consider the origins of the field internationally and in the African context. It will address the overarching question: How can we teach a multi-disciplinary subject at African universities? So it will delve into issues of history, theory and pedagogy by asking:

1. What is multi-disciplinarity?
2. Are African universities ready for multi-disciplinarity?
3. Where are African countries in the history of innovation and development studies as a field of study?
4. What are the prospects for advancing the field of study in Africa?
5. What are some of the examples of innovative teaching and learning in Africa?

#### **Session speakers:**

- Prof. Rasigan Maharajh, Institute for Economic Research on Innovation - a scene setting lecture on the history of innovation and development studies.
- Dr. Opeyemi Ayinde, University of Illorin, Nigeria - discussant.

### **10:00 - 10.15 TEA/HEALTH BREAK**

### **10:15 - 12:00 DEVELOPING INNOVATION AND DEVELOPMENT (I&D) RESEARCH SKILLS FOR PhD STUDENTS**

**Session Chair:** Rebecca Hanlin

This panel session will bring together scholars who teach a variety of research skills who will speak to the following questions:

1. How do we ensure that PhD students choose a research design (quantitative or qualitative) that fits their research question?
2. Are there new research methods and/ or data sources (e.g. big data) that could revolutionise innovation and development research for PhD students?
3. What other skills and requirements are important ensuring that a PhD student finishes their studies as an able researcher?

#### **Panel Members**

- Dr. Oluseye Jegede, Obafemi Awolowo University, Nigeria
- Prof. David Kaplan, University of Cape Town, South Africa
- Dr. Ann Kingiri, African Centre for Technology Studies, Kenya

Following these presentations, a selection of students from University of Oran 2 will share their research experiences.

**12:00 - 12:15 BREAK**

**12:15 - 13:15 Experiences of developing post - graduate studies: Examples from around the continent**

**Session Chair:** Margrethe Holm Andersen

This panel session will feature key scholars who have been involved in running post-graduate fellowship programmes across Africa in a range of fields of study. They will reflect on their experiences to date and lessons learnt

**Panel Members**

- Robert Hinson, Building Strong Universities Programme at University of Ghana
- Prof. Mammo Muchie, SARChi Chair- Tshwane University of Technology, South Africa

**13:15 - 14:30 LUNCH BREAK**

**14:30 REPORT TO BUS PICK UP POINT FOR THE TOUR OF ORAN CITY**

**15:00 - 19:00 TOUR OF ORAN AND HERITAGE LANDMARKS: ROMAN, BYZANTINE, TURKISH ETC. ORGANISED BY THE LOCAL ORGANISING COMMITTEE (LOC)**





**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.**

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