Programme

PhD COLLOQUIM at the 9th ICAT Conference in partnership with Africana Post-Graduate Academy (APGA) (https://sarchi.org/?p=620)

Date   *: 23 November, 2020*
Time   *: 9.00 A.M to 13:00 PM*
Zoom Link   *: https://us02web.zoom.us/j/4474752618?pwd=cTFLR0pEK2lPb0VqcVJJbGZJSFNnQT09*

Title: "The Research Value Chain from Defining and Selecting the Specific Problem to Achieving High Quality Original Research Output"

Programme Director: Prof. Mammo Muchie, DSI-NRF SARChI Innovation Studies, Tshwane University of Technology, Pretoria, South Africa		

Time	*Topic*	*Presenter*
9:00 – 9:15	**Opening Welcome: How to Do High Quality Research Excellence from Start to Finish**	**Prof. Mammo Muchie, DSI-NRF SARChI Research Professor on Innovation Studies, TUT, South Africa**
9:15 – 9:45:	**Assimilating African Indigenous Knowledge, Science,& Technology into Research and Innovation Paradigm**	**Prof. Sunday Ojo PhD Computer Science, (Glasgow) Executive Director Inclusive African Indigenous Language Technology Institute**
9:45: – 10: 15	**Research and Action: working with and within organisations to improve process and practice**	**Prof. Stephen Little: PhD (RCA) FeRSA FHEA, U.K**
10: 15 - 10:45	**How Blockchain ontology, epistemology and axiology are designing and hypothesising research frameworks. A Case Study**	**Prof. Lisa Short: Design Eco-System Thinker, Analyst & Designer Co-Founder & Director P& L Digital Edge Ltd [UK] Co-Founder & Director Africa Agri Tech Ltd [UK & Nigeria] Founder Mind Shifting [Frontier Technology]**
10:45:	**Post Grads to present and**	**Feedback from Professors, Post-Docs**

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11:15:	feedback from the research experience of the post-docs	and from each of the doctoral students to improve the quality of their doctoral research
11:45-12::00	Discussion	
12:00-12:45	**Topic: Building a Decolonized University through Indigenous African Knowledge Systems: Prof Kalu Osiris: Director of International Business and Professor of Practice in Management at the University of Nebraska-Lincoln, USA**	
12:45-1:00	**Concluding Remarks : Forwards and Onwards on the Research Highway– Prof. Mammo Muchie**	

Background

The time we are in now has made it possible through digital technology to undertake knowledge sharing even though we are far away from each other with the current covid-19 nightmare. This PhD Colloquium by the 14th Africana Post-Graduate Academy (APGA) is run with INAT at the 9th ICAT conference. It focuses on how to do high quality research to develop original knowledge based on evidence and date-based research to challenge making decisions on opinions that create more problems than solutions. This is much needed in South Africa and the rest of Africa to make through tangible effective research the much-needed knowledge innovation that can help to create mind-set and paradigm shift by promoting quality relations, networks and development to transform, reform and perform economy, health, society and the environment. How do we go about identifying a problem worth investigating and spending time on by selecting a research conceptual frame and theory to produce the much needed and relevant tools to explore and produce new, tangible and measurable ideas, outcomes and results? The first and foremost task to begin any research in any field or discipline is defining a research problem.

How is knowledge created and developed? Research Philosophy has ontology, epistemology and axiology dealing with the nature of reality, the nature of knowledge and selecting the appropriate values and ethics. Research paradigm is applied on how to see the world and to understand and explain it. There is positivism, normativism, interpretivism, constructivism and phenomenology by adding specific contexts in order to learn how to be able to identify what, how and why to come to know what is or what ought to be discovered, identified, distinguished and selected. There are theories that are grounded, appreciative and abstract and research approaches that are inductive and deductive with hypotheses that have to be clearly articulated to advance the research design and process to facilitate the creation of original output.

The key challenge is to discover the specific research approach to address the research problem and construct, identify and distinguish the methodology from the methods by using the appropriate research design to undertake the research process and practice to generate the best quality output with explicit contributions, recommendations and evaluations that can make real difference to the knowledge production value chain. From start to finish. All post-graduates are most welcome!

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Zoom Link

Scheduled Zoom meeting.

Topic: PhD Colloquium at 9thICAT
Time: Nov 23, 2020 09:00 AM Johannesburg

Join Zoom Meeting
https://us02web.zoom.us/j/4474752618?pwd=cTFLR0pEK2lPb0VqcVJJbGZJSFNnQT09

Meeting ID: 447 475 2618
Passcode: OneAfrica
One tap mobile
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Dial by your location
        +1 253 215 8782 US (Tacoma)
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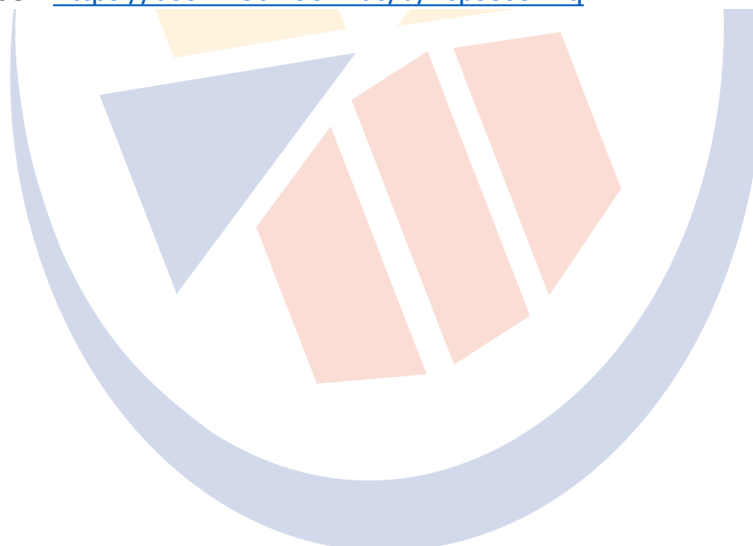   +1 346 248 7799 US (Houston)
        +1 408 638 0968 US (San Jose)
        +1 646 876 9923 US (New York)
        +1 669 900 6833 US (San Jose)
Meeting ID: 447 475 2618
Passcode: 096780543
Find your local number: https://us02web.zoom.us/u/kcpsos0R7q

Brief Bio of the Presenters

1. Prof. Mammo Muchie

Mammo Muchie is Professor South African Research Chair (SARChI) Innovation Studies. The chair is funded by Department of Science a Technology (DST), National Research Foundation (NRF), South Africa. Prof. Muchie founded the African Journal on Science, Technology, Innovation and Development (AJSTID) in 2008 and its editor-in-chief.

For his dedicated service, Prof. Muchie has been given a number of awards. A few of them are: long dedicated and valued service awards, best institutional senior researcher of the year merit, academic excellence award, outstanding contribution to Science, Engineering, Technology (SET) and innovation by NTSF in South Africa.

Professor Muchie's scholarly contribution to the discipline of innovation has been: strengthening and contextualizing the theoretical framework of National Innovation Systems (NIS) in African context.

He taught over 400 doctoral candidates in doctoral academies across the world in the Globelics, Africalics, Cicalics, Indialics networks. He has taken initiatives for running Doctoral and Masters Academy in various universities all over the African continent and all over the world.

He has been invited for many keynote addresses and lectures in Africa and globally. He is the founder of the Africa Post-Graduate Academy. He has

published over 445 research papers, books, book chapters, articles and many keynote speeches.

2. Prof Sunday O. Ojo

Sunday O. Ojo is a Professor of Computer Science, holding BSc Honors and PhD degrees in Computer Science from the Universities of Ibadan and Glasgow, respectively. His academic career in a number of Universities spans over 40 years, in the field of Computing. During this period, he held academic positions in various universities, including University of Ibadan in Nigeria, where he started his academic career in 1980,   University of Botswana in Botswana, where he worked as a Senior Lecturer and Head of Computer Science Department, and a member of the pioneering team that started the department. Also included in the positions he held is at the Tshwane University of Technology (TUT) in Pretoria, South Africa, where he worked as a Research Professor and Executive Dean in the Faculty of ICT. He also served in positions as Adjunct/Visiting Professor, at a number of universities. He is currently the Executive Director of the Inclusive African Indigenous Language Technology Institute (AfriLTI), a NPO. He incorporated AfriLTI with the Vision towards digital visibility of all African Indigenous Languages (AfriLs) so that none of them goes into extinction, and the Mission, to create a critical mass of well capacitated and empowered Africans with research, innovation and entrepreneurial skills in appropriate African Indigenous Language Technology and Services provisioning. He is the African Data Scientia project leader, a sub-project of the global DataScientia project which is being led by a European University Professor, who has a global vision that no World Indigenous Language should die. He also provides research and consulting services to Language Services Providers on Low Resource Morphologically Rich AfriLs in Machine Translation, Translation Quality Evaluation, Ethno-Linguistics Profiling, and Capacity building services. He was among the

worldwide selected invitees to the UNESCO Language Technology for All (LT4All) conference, held at the UNESCO Headquarters in Paris, France, December 2019. He has a wealth of experience in the teaching, research & innovation, postgraduate students supervision in the field of Computing. He has promoted several honours, master's and doctoral students' dissertations and theses, tens of which he successfully graduated. He is also well published with extensive experience in sustained research and publications in peer reviewed journals and conference proceedings, as well as books and chapters in books. He is also very experienced in academic institutional strategic partnership engagement. Until December 2019, he led the

ICT for Development research niche area at TUT, which bags the Best Research Group of the year in 2019. His national and international professional services experience include serving as a consultant and resource person for several national and international bodies on ICT related projects, including. Botswana National Innovation Capability Database System, USAID Botswana Confederation of Commerce, Industry and Manpower Economic Research database system, Botswana National ICT Policy development, Commonwealth Network for Information Technology (COMNET-IT) ICT capacity building project for Commonwealth countries. Others are the Euro-Africa-ICT Reference panel work on producing a manifesto for strategic EU-Africa partnership on ICT Research, European Commission Scenarios for Research and Technology Development Cooperation with Europe project, and AU-NEPAD on Artificial Intelligence for African Development. Since June 2020, he has been a consultant to an international European company, on African Language Technology and Services. He also served as external examiner, academic programme review and accreditation panel member, to various universities.

3. **Prof. Stephen Little**

After graduating from the Birmingham School of Architecture Stephen Little studied applied psychology at Aston University. In 1983, following a decade of practice as an architect in urban renewal in Manchester and Glasgow, he was awarded a PhD on the organisational impact of computer aided design at the Royal College of Art, London.

Subsequently he held full-time appointments in Information Systems at Griffith University Queensland, the University of Wollongong NSW, Manchester Metropolitan University UK and in Knowledge Management at the Open University, UK. He has also held visiting appointments in the Urban Research Program, Australian National University Canberra, the Australian Graduate School of Management, NSW, Bolton University, UK and Erasmus University, Netherlands together with appointments as an external examiner at London Metropolitan, Birmingham, Manchester Metropolitan and Manchester universities.

Prior to his retirement from the Open University Business School in 2013 he had headed the Centre for Innovation, Knowledge and Enterprise and been co-director of the cross-faculty Centre for Innovation, Knowledge and Development. He was also responsible for the development and delivery of teaching modules in knowledge management, entrepreneurship and strategic management in life sciences and healthcare.

He was Chairman of the Asia Pacific Technology Network from 2008 to 2016, and as a Council Member of the Design Research Society he was involved in

the establishment of Design Studies, now a major journal in that field. Through the Open University he has been a lead academic on two BBC documentary series and has both chaired streams within a range of events in Europe, Australia and Asia, including co-organising a major international conference in Japan in 2013 as a board member of Asia Pacific Researchers in Organization Studies.

He has published books from his own research and is an experienced editor of academic books including conference proceedings with major publishers and currently is a reviewer for Technology and Strategic Management, Technology Forecasting and Social Change and the Journal of Place Branding and Public Diplomacy. As a Fellow of the Regional Studies Association and a Life Member of the International Sociological Association, his current research interests include the global migration of skilled labour, the contribution of large science projects to innovation in the wider economy and the role of place-branding and heritage in regional development.

4. Prof. Lisa Short

ACCELERATING CHANGE AT SCALE | INNOVATION | INFLUENCE | TECHNOLOGY FOUNDER
DIGITAL TRANSFORMATION ANALYST & STRATEGIST | DESIGN & ECOSYSTEM THINKER
CREATIVE & END-TO-END EXECUTIVE PRODUCT & AGILE PROJECT MANAGEMENT
SYSTEMIC CHANGE TECHNOLOGY DEVELOPMENT & DIGITAL BEHAVIOURAL ECONOMICS

Big challenges require big solutions and never be afraid to deliver them

PROFILE

Top 50 Global Thought Leaders & Influencers in EdTech and Blockchain in 2020
Top 100 Women B2B Thought leaders in the world to follow in 2020
Top 100 Women in Crypto in the world in 2020

Professor Lisa Short is the Founder of Mind Shifting, an initiative to accelerate change through technology and Co-Founder of P&L Digital Edge a company based out of the UK that supports business attain digital resilience with strategies and tools. She is also Co-Founder and Director of Africa Agri Tech Limited, who are currently increasing the pace of innovation in Africa and connecting it to the world, through Patented blockchain technology that enables autonomous unbiased decision making critical in the business value chain for small farm-holders - particularly impacting those disproportionately disadvantaged such as women.

Professor Short is a preeminent innovator, systemic change maverick, digital technology analyst, strategist and design ecosystem thinker with vast international experience founding and managing multiple companies and developing significant cutting-edge digital technology and value chain improvement projects, across different segments, and global markets including UK, APAC, Africa, Singapore, Europe and UAE. Invited to analyse and resolve some of the most pressing complex and difficult socio-economic challenges, Professor Short is invited to innovate and resolve some of the worlds' greatest challenges – with digital technology, with ecosystems, with people, with technical and business capacity, with authentic leadership and with the courage that is required to make systemic change.

Lisa's nexus is people; democratised value chains; relationship driven economics; ESG and SDG impact; sustainable at-scale growth; improved resilient businesses, gender parity and internationally diversified markets, underpinned by targeted education, data-protection and fit for purpose frontier digital technology including blockchain, DLT and IoT. Augmented by a highly respected international academic and research contribution, Professor Short's bold, multi-dimensional and courageous approach spotlights perfectly the many applauded, and successful initiatives she has founded, established and leads globally. These have included Unite Nations General Assembly, World Summit of Nobel Peace Laureates, Westminster Parliament UK, and the Immersive Learning & Research Network.

5. Prof. Kalu Osiri

Kalu Osiri is the Director of International Business and Associate Professor of Practice in Management at the University of Nebraska-Lincoln, USA, where he is also a Robert Daugherty Water for Food Global Institute Fellow and teaches entrepreneurship and global leadership. He is the founder and an Omhukulu at Osiri University, a solutions-based e-learning university that is disrupting the educational sector and liberalizing education for Africans on the continent and in the Diaspora through a decolonized curriculum. A trained chemist who became a management scholar, Osiri's research is concerned with understanding the chemistry of leadership, the role of culture and innovation in driving change, and the reconstruction of age-old African systems and philosophies to bring about positive societal transformation. He is the author of *Unleashing Your Idea: Steps to a Successful Start and Entrepreneurial Marketing: Creating a Customer Base*, and has traveled and worked in numerous countries and in every continent (except Antarctica). In 2018, Osiri received the Chancellor's fulfilling the Dream Award for his relentless efforts in global education. Dr. Osiri is a graduate of the Grambling State University (BS), Louisiana State University (Ph.D.), The University of Florida (Post-Doctorate), and the Harvard Management Development Program (MDP).