

# CURRICULUM VITAE

## Bitange Ndemo, PhD., FKIM, CBS PROFESSOR OF ENTREPRENEURSHIP

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### PROFESSIONAL PROFILE

I am a professor of entrepreneurship at the University of Nairobi School of Business and a global ICT thought leader. I am also an advocate of development strategies leveraging emergent technologies and social enterprise in Africa. I sit on boards of several high-profile organizations and a senior advisor three UN agencies and other non-governmental institutions. My skills, capabilities and experience are varied. They include over 8 years' CEO-equivalent experience as Permanent Secretary in Ministry of Information and Communications for the Government of Kenya, high-level policy development and public administration, university-level teaching, academic research and graduate supervision, design and implementation of curriculum, academic leadership and administration, innovation management and public speaking to mention but a few. I have over 30 years of business, finance and technology expertise gained from my years in Government, Higher Education and the Private Sector. I am widely published in refereed academic journals and I am also a leading public intellectual offering my expertise as a columnist and commentator in high-quality, cross-cutting media platforms. Here below is a sample of my notable achievements.

#### Key Achievements

- Professor of Entrepreneurship
- Associate Professor at the School of Business, University of Nairobi, where he supervised over 7 PhDs with 5 others at an advanced stage.
- Former Permanent Secretary, Ministry of Information and Communication, Republic of Kenya where I notably led the development of the undersea cables into East Africa and the Kenya Open Data Initiative and oversaw implementation of policies that enabled M-PESA and other innovations.
- Board Member, Safaricom PLC, the largest company in Eastern and Central Africa
- Senior Advisor to UNCDF's Better than Cash Alliance
- A Senior Advisor to UNESCO's NETEXPLO FORUM
- Senior Advisor to Research ICT Africa

- Senior Advisor to the United Nations' Global Pulse
- Chair, Department of Business Administration, School of Business, University of Nairobi
- Author of several many academic papers, book chapters and co-author of *Digital Kenya - An Entrepreneurial Revolution in the Making*
- Advisor to several governments in Africa and South America as well as other private and public sector institutions
- Holder of a PhD in Industrial Economics from Sheffield University, United Kingdom, and degrees in business administration, accounting and finance.

## EDUCATION

### University of Sheffield, England, 2000

Doctor of Philosophy (PhD)

### University of St. Thomas, Minnesota, USA, 1991

Master of Management Information Systems

### University of Minnesota, USA, 1988

Bachelor of Science, Finance

## SPECIAL ASSIGNMENTS AND LEADERSHIP

**Chairman**, Kenya Government Taskforce on Distributed Ledgers & Artificial Intelligence, 2018 – to date

**Member, Board of Directors**, Safaricom Limited, 2017 – to date

**Senior Advisor**, UNCDF's Better than Cash Alliance, An initiative to digitize payment systems, (2013 – to date)

**Senior Advisor**, UN Global Pulse (Big Data Initiative) (2013 – to date)

**Chairman**, Department of Business Administration, University of Nairobi, 2017 – 2018

**Chairman**, Global Alliance for Affordable Internet, (2013 – 2015)

**Head**, University-Industry Relationship committee, University of Nairobi, 2018 – to date

## WORK EXPERIENCE

2019 – To Date **Professor of Entrepreneurship**, University of Nairobi's School of Business

2013 – 2018, **Associate Professor, Entrepreneurship**, University of Nairobi.

2013 – 2014, **Senior Lecturer, Entrepreneurship, Research Methods and Management, Faculty of Commerce**, University of Nairobi.

2005 – 2013, **Permanent Secretary**, Ministry of information and Communications, Government of Kenya.

2004 – 2005, Senior Lecturer, Entrepreneurship, Research Methods and Management, Faculty of Commerce, University of Nairobi.

2004 – 2005, Thematic Head - **Entrepreneurship, Research and Consultancy, Faculty of Commerce**, University of Nairobi

2002 – 2004, **Chairman, Department of Business and Economics**, University of Nairobi.

1995 – 2004, **Lecturer, Entrepreneurship, Management and Statistics Faculty of Commerce**, University of Nairobi.

1993 – 1995, **Tutorial Fellow, taught a range of courses including Management Information Systems, Statistics and Management**, University of Nairobi.

1993 – 1998, **Financial Systems Analyst**, Medtronic Inc.

## UNITS TAUGHT AT THE UNIVERSITY IN THE LAST THREE YEARS

### Undergraduate

1. DBA 403 Entrepreneurship

### Masters

1. DES 501 Entrepreneurship Theory and Practice
2. DES 604 Entrepreneurial Seminar
3. DES 602: Managing a Growing Business
4. DES 502: New Venture Creation and Development.

### Doctoral

1. DSE 701 Conceptual And Theoretical Foundations Of Entrepreneurships And Small Business Development
2. DES 702 Seminar in Entrepreneurship and Small Business Development
3. DGM 701 Theory in Global Business Management
4. DGM 702 Global Business Seminar

## PUBLICATIONS – BOOKS, CHAPTERS, JOURNAL ARTICLES AND OTHER PUBLICATIONS

### Books

1. **Ndemo B. and Weiss T.** (2016): *Digital Kenya - An Entrepreneurial Revolution in the Making*. Landmark Publication featuring Key Experts from Kenya's startup scene. Palgrave <http://digitalkenyabook.com/>

### Book Chapters

1. Ndemo, B. and Aiko, D. (2020). 'Mobile technology and development'. In: N. Cheeseman, K. Kanyinga and G. Lynch (eds.), Oxford Handbook of Kenyan Politics. Oxford: Oxford University Press.
2. **Ndemo B.** (2020) Slum Digitisation, Its Opponents and Allies in Developing Smart Cities: The Case of Kibera, Nairobi. In: Hawken S., Han H., Pettit C. (eds) Open Cities | Open Data. Palgrave Macmillan, Singapore
3. **Ndemo, B.**, (2018) Toward the Transformative Power of Universal Connectivity. In Mark Graham Digital Economies at Global Margins. MIT Press.
4. **Ndemo, B.**, (2018) Digital Forms of Exclusion: Ecological Systems Theory Perspective Big Data Analytics and Visualizations in the Measurement of U.N. Social Development Goals in Africa in Graham, Eduardo, and Sanna, Big Data and Development. Oxford University Press.
5. **Ndemo, B.**, and Weiss, T., (2018) A Call for Lifelong Learning Models in the Digital Age in The Future of Work in the Global South, Galperin H., Alarcon A., International Development Research Center.

6. **Ndemo, B.** (2017) Growth of African SMEs and Jobs Will Depend on Technology Uptake. Foresight Africa, the Africa Growth Initiatives Annual Flagship Report. Washington. Brookings Institute.
7. **Ndemo, B.** (2016). The Paradigm Shift: Disruption, Creativity and Innovation in Kenya. In B. Ndemo & T. Weiss (Eds.), *Digital Kenya: An entrepreneurial revolution in the making* (pp. 1 - 12). London: Palgrave Macmillan.
8. **Ndemo, B.** (2016). *Inside a policymaker's mind: An entrepreneurial approach to policy development and implementation*. In B. Ndemo & T. Weiss (Eds.), *Digital Kenya: An entrepreneurial revolution in the making* (pp. 339–367). London: Palgrave Macmillan.
9. **Ndemo, B.** (2016). *Enabling an Inclusive Innovation Ecosystem and SME Development in Kenya: The Role of ICTs*. In Agola N., and Hunter A., *Inclusive Innovation for Sustainable Development. Theory and Practice* (pp 39-56). London: Palgrave Macmillan.
10. **Ndemo, B. & Aiko D.,** (2016). *Nurturing Creativity and Innovation in African Enterprises: A Case Study of Kenya*. In Mario France, *Entrepreneurship Practice-Oriented Perspectives* (pp 21 - 37) Intech.
11. **Ndemo B. & Mureithi, M.** (2015) Information and Communications Technologies. In Terence McNamee, Mark Pearson and Wieber Boer, *Africans Investing in Africa: Understanding Business and Trade, Sector by Sector* (pp 177-202). London: Palgrave Macmillan.
12. **Ndemo, B.,** (2015) Effective Innovation Policies Development: A Case of Kenya. *The Global Innovation Index 2015: Effective Innovation Policies for Development*.
13. **Ndemo B.** (2007) Entrepreneurship and Change. *International Handbook of Research on Indigenous Entrepreneurship* pp. 84-99. Edited by Leo-Paul and Robert B. Anderson. (2007). [http://scholar.google.com/citations?view\\_op=view\\_citation&hl=en&user=x9lWMIAAAAJ&citation\\_for\\_view=x9lWMIAAAAJ:zYLM7Y9cAGgC](http://scholar.google.com/citations?view_op=view_citation&hl=en&user=x9lWMIAAAAJ&citation_for_view=x9lWMIAAAAJ:zYLM7Y9cAGgC)

## Other Book Chapters and Reports

1. **Ndemo, B.** (2016) Leveraging on our past to build a better future pp 224-233. *Where is Kenya – 50 Voices Speak?* Edited by Susan Wakhungu Githuku (2013).
2. **Ndemo, B.** (2015) Using Policy to Develop A BPO Industry in Africa. *Africa Policy Review*. London. Kempstone Media.

## Articles Published in Refereed Journals

1. **Ndemo B., Mkalama B.,** (2019) Globalization: Do African Women Entrepreneurs Matter? *International Journal of Management & Entrepreneurship Research*. Vol.1(2). Pp 89-104.
2. **Ndemo B.,** (2018) Institutionalism and Development Process of Family Firms in Kenya. *African Journal of Business Management*. Vol. 12(24) , pp 726-736.
3. **Ndemo B.,** (2018) The Promise of New Entrepreneurial Models in Africa's Digital Future. *International Journal of SME and Business Sustainability*. Volume 3, Number 3 November 2018. ISSN 2242 – 9368 (Online).
4. **Ndemo B.,** and Mkalama (2018) Small and Medium Enterprises in Kenya: Current State, Opportunities and Challenges. *International Journal of SME and Business Sustainability*. Volume 3, Number 3 November 2018. ISSN 2242 – 9368 (Online).
5. Mkalama B., **Ndemo, B.,** and Maalu, (2018) The Antecedents of Innovativeness in Small and Medium Manufacturing Enterprises in Kenya: A Critical Literature Review. *African*

- Journal of Business Management*. Vol. 12(17), pp. 527-535, 14 September, 2018 DOI: 10.5897/AJBM2018.8618 Article Number: C57144D58770 ISSN: 1993-8233.
6. **Ndemo, B.** (2018) Digital Entrepreneurial Behaviour and Government Support in Kenya. *International Journal of Economics, Business and Management Research*. Vol. 2, No. 02; 2018. ISSN: 2456-7760.
  7. **Ndemo, B** & Weiss T. (2017) Making Sense of Africa's Emerging Digital Transformation and its Many Futures *Africa Journal of Management* Vol. 3, Iss. 3-4,2017.
  8. Koitamet, K, L., **Ndemo, B.**, (2017) Effects of Financial Access on the performance of Social Entrepreneurship Firms in Kenya. *American Journal of Finance*. Vol. 1 No. 5.
  9. Koitamet, K, L., **Ndemo, B.**, (2017) Determinants of the Performance of Social Entrepreneurship in Kenya. *International Journal of Entrepreneurship*. Vol. 1 No. 1.
  10. **Ndemo, B., Aiko, D. M.**, (2017) The Necessity of Portfolio Entrepreneurship and its Challenges: A Case Study of Online Agricultural Services in Kenya. *International Journal of Advanced Engineering and Management Research* Vol. 2 Issue 3,
  11. Kawiria, M. F., **Ndemo, B.**, (2016) Employee Perception Towards Talent Management Strategy and Staff Retention at Deloitte & Touche, Kenya. *Journal of Strategic Management* ISSN 2520-0461(Online Vol.1, Issue 1 No.1, pp 18 - 35, (2016)
  12. **Ndemo, B.**, (2015) Book Review: Nagy Hanna and Renee Summer's Insights into a Holistic ICT Driven Transformation. *The African Journal of Information and Communication (AJIC)*, Issue 15, 2015
  13. **Ndemo, E B** (2015) Political Entrepreneurialism: Reflections of a Civil Servant on the Role of Political Institutions in Technology Innovation and Diffusion in Kenya. *International Journal of Security and Development* 4(1): 15, DOI: <http://dx.doi.org/10.5334/sta.fd>
  14. **Ndemo B** and Smallbone D. (2015) Linkage Dynamics between MSEs and Multinational Corporations in Kenya. A longitudinal review of a 2005 conference paper –DBA Africa Management Review 1 2015. University of Nairobi.
  15. Nalianya, C., **Ndemo, B.**, Gathongo (2015) The Significance of Faith Based Enterprises in the Dual Roles of Social Good and Economic Development in Kenya. DBA Management Review 2015. University of Nairobi.
  16. Dennis M. A. **and Ndemo B.** (2014) What drives women out of Entrepreneurship? The joint role of culture and access to finance. DBA Africa Management Review 2 (2014).
  17. **Ndemo B. Rushda Majeed** (2012) Case Study: Disseminating the Power of Information: Kenya Open Data Initiative. *Innovation for Successful Societies*. Princeton University Press (2012).  
[Online] [http://successfulsocieties.princeton.edu/sites/successfulsocieties/files/interviews/transcripts/3517/bitange\\_ndemo.pdf](http://successfulsocieties.princeton.edu/sites/successfulsocieties/files/interviews/transcripts/3517/bitange_ndemo.pdf).
  18. **Ndemo E. B.** (2007) Women entrepreneurs and strategic decision making. *Management Decision* 45(1), 118-130 (2007).  
[Online] [http://scholar.google.com/citations?view\\_op=view\\_citation&hl=en&user=x9l\\_WMIAAAAJ&citation\\_for\\_view=x9l\\_WMIAAAAJ:u5HHmVD\\_uO8C](http://scholar.google.com/citations?view_op=view_citation&hl=en&user=x9l_WMIAAAAJ&citation_for_view=x9l_WMIAAAAJ:u5HHmVD_uO8C)
  19. **Ndemo B.** (2006) Assessing sustainability of faith-based enterprises in Kenya. *International Journal of Social Economics* 33 (5/6), 446-462 (2006).  
[Online] [http://scholar.google.com/citations?view\\_op=view\\_citation&hl=en&user=x9l\\_WMIAAAAJ&citation\\_for\\_view=x9l\\_WMIAAAAJ:UeHWp8X0CEIC](http://scholar.google.com/citations?view_op=view_citation&hl=en&user=x9l_WMIAAAAJ&citation_for_view=x9l_WMIAAAAJ:UeHWp8X0CEIC).
  20. **Ndemo B.** (2005) Maasai Entrepreneurship and Change. *Journal of Small Business & Entrepreneurship* Vol. 18 No. 2. Spring 2005 pp 207-219. (2005)

## Forthcoming Papers

1. **Ndemo B.**, (2019) Entrepreneurial Education and Innovative Pedagogy: A Case Study of Mpesa Foundation Academy. *Journal of Small Business Management*.
2. Tulus, T., **Ndemo, B.**, & Mkalama, B., (2018) A Comparative Study on Micro, Small and Medium Enterprises in Indonesia and Kenya. Center for Industry, SME and Business Competition Studies, USAKTI. Research Collaboration Paper Series No.10, October 2018.

## Book Reviews

1. **Ndemo, B. (2016)** Nagy Hanna and Rene Summer's Insights Into a Holistic ICT Driven Transformation. *The African Journal of Information and Communication (pp 131-133)*. Issue 16, 2015. University of Witwatersrand, Johannesburg.

## JOURNAL REVIEW AND OTHER ACADEMIC COLLABORATIONS

1. Reviewer, *African Journal of Economics and Management Studies*, Published by Emerald 2008 to Date.
2. Collaborator, Oxford Internet Institute project advisory board for a research project: 'Changing Geographies of Connectivity and the Potentials of Sub-Saharan Africa's Knowledge Economy.' 2014.
3. Collaborator, United Nations Educational, Scientific and Cultural Organization. Research into understanding and responding to hate speech online. Oxford University 2014.
4. Resource Person, World Intellectual Property Organization (WIPO): Contribution from Kenya towards the Global Innovation Index (GII) 2014 Year Book.

## ACADEMIC SUPERVISION

### PhD Supervision, University of Nairobi

1. **Mwangi Kamau**, Information Systems Integration, Information Technology Capability, Organizational Ambidexterity and the Performance of Banks in Kenya. With Prof. Njihia. April 2018.
2. **Nyalita A. M.**, Succession Planning, Entrepreneurial Orientation, Business Development Services and the Performance of Small and Medium Family Businesses in Machakos County, Kenya. November 2015.
3. **Kithusi A. N.** Resources, External Environment, Business Strategy and Performance of Micro and Small Enterprises within the Furniture Sector in Nairobi County, Kenya. With Dr. Gathungu and Prof. Wainaina. November 2015.
4. **Sabana B.**, Entrepreneur Financial Literacy, Financial Access, Transaction Costs and Performance of Micro Enterprises in Nairobi City County, Kenya. November 2015.
5. **Robert K. M.** Knowledge Management Strategy, Organizational Competency and Competitiveness in the Book Publishing Industry, 2008 with Prof. G.P. Pokhariyal and Prof. Peter Kobonyo.
6. **Chiyoge B. S.** The Linkage between Environment, Mission, Leadership, Strategy, Structure, Core Competencies and Firm Performance: A Test of the Hexagonal Model in the Kenyan parastatals, 2007 with Prof. Peter Kobonyo.
7. **David K. M.** An Investigation of the Relationship between Course Delivery Systems and Learner's Needs: A case study of the external degree programme of the University of Nairobi. 2004.

## **Masters (MBA) Supervision, University of Nairobi**

1. Patrick, M.S. (2017). *Stakeholders Perception on the Impact of Multinationals Corporations Corporate Social Responsibility in Kajiado County.*
2. Gathu, G. (2017). *Small and Micro Enterprises Adoption of ICT for Competitive Advantage in Nairobi County.*
3. Kimani, N.M. (2017). *Factors Affecting Strategy Implementation in Kenyan Banks: A Case Study of Consolidated Bank Kenya Limited.*
4. Makena, B.K. (2017). *Effect of Strategic Planning on Performance of Public Hospitals in Kenya: A Case Study of Mama Lucy Kibaki Hospital.*
5. Kamau, E.K. (2017). *Strategic Management Practices Adopted by ABC Bank to Gain Competitive Advantage.*
6. Dutse, U.A. (2017). *Use of Small and Medium Enterprises Resources to Mitigate Unemployment in Bauchi State of Nigeria.*
7. Titus, M.M. (2017). *Strategic Responses by Administration Police Service in Kenya to Crime Prevention: A Case Study of Nairobi County.*
8. Ndo, S.M. (2017). *Strategy Implementation Challenges in State Corporations: The Case of Agricultural Finance Corporation Kenya.*
9. Kariuki, N.B. (2017). *Stakeholder Perceptions of Keroche Breweries Strategic Corporate Social Responsibility.*
10. Kathambi, F.F. (2017). *Effect of Corporate Social Responsibility on Competitive Advantage at Airtel Networks Kenya Limited.*
11. Karanja, M.M. (2017). *The Effect of Risk Management Strategies on the Sustainable Competitive Advantage of Commercial Banks in Kenya.*
12. Kanake, K.F. (2017). *The Influence of Information and Communication Technologies on Real Estate Development in Kenya.*
13. Wambui, R.M. (2017). *Effects of Strategy on the Performance of Firms in the Medical Insurance Industry in Kenya.*
14. Wambui, M.K. (2017). *Effect of Perceived Corporate Innovation on Customer Satisfaction with Mobile Banking Application at Chase Bank, Kenya (in Receivership).*
15. Nyandika, M.R. (2015). *Mobile Banking as a Strategic Means of Financial Inclusion in Kenya.*
16. Kimani, M. (2015). *The Strategic Role of Service Co-operative Societies in the Achievement of Kenya's Vision 2030.*
17. Thairu, P.N. (2015). *Competitive Strategies Adopted by the Telecommunication Mobile Service Providers in Kenya: A Case of Telkom Kenya.*
18. Kirunga, N.R. (2016). *The Role of International Network Management as a Source of Competitiveness among SMEs within the Nairobi Central Business District.*
19. Mwori, E. (2016). *The Relationship between ICT Strategy and Public Service Delivery: A Case Study of the ICT Authority.*
20. Bungule, A.C. (2016). *Effect of Credit Management Practices on the Performance of Small and Medium Enterprises in the Transport and Logistics Industry in Nairobi, Kenya.*
21. Awinja, B.M. (2016). *Influence of Supply Chain Management Strategies in Mitigating Challenges in Supply of Anti Retrovirals in Kenya Health Sector.*
22. Gloria, A.N. (2016). *Beekeeping Microenterprises and Unemployment in Nyatike Constituency, Migori County, Kenya.*

23. Muturi, W.M. (2016). *Local Beneficiary Community Perception of Corporate Social Responsibility Practices of Multinational Corporations in Kenya.*
24. Kagwiria, F.M. (2016). *Employee Perception on Talent Management Strategy and Staff Retention at Deloitte Kenya.*
25. Mugambi, N.O. (2016). *Foreign Direct Investment in International Technology Transfer among Mobile Telecommunication Firms in Kenya.*
26. Wandera, B.M. (2016). *Entrepreneurial Orientation, Technological Capability, Environmental Dynamism and Innovative Capacity within Manufacturing SMEs: A Critical Review of Literature.*
27. Kibuchi, J. (2016). *Business Incubation Services Offered to Startup Businesses in Kenya. A Case Study of IHub Program.*
28. Koitamet, K.L. (2016). *Determinants of the Performance of Social Entrepreneurship Firms in Kenya.*
29. Kimotho, W.J. (2016). *Determinants of Digital Innovations Adoption by Financial Institutions in Kenya.*
30. Makuthu, M.M. (2016). *Influence of Business Strategies and Information Systems on the Performance of Top 100 SMEs in Kenya.*
31. Muthaka, N.P. (2016). *Effect of Ethnicity, Religion and Social Structures on Entrepreneurial Culture amongst SMEs in Nairobi.*
32. Wachinga, P.M. (2016). *Institutional Factors Affecting Strategic Planning and Implementation in Devolved Healthcare Services within Nairobi City County in Kenya.*
33. Mutisya, M.P. (2016). *Social Entrepreneurship Practices in Kenya: A Case Study of Lighthouse for Christ Eye Centre.*
34. Abudho, O.S. (2016). *Relationship between Entrepreneurial Orientation and SME Sustainability in Nairobi County, Kenya.*
35. Onono, O.J. (2016). *Strategic Planning and Performance of Distributors of Animal Genetic Resources in Kenya.*
36. Njuki, M. (2016). *Factors Affecting Entrepreneurship Development of Mobile Money within the Telecommunication Sector in Kenya.*
37. Ajele D. D. (2014) *Implementation Strategies of the Public Procurement Law in Kenya: A Case Study of Public Procurement Oversight Authority.*
38. Akech L. O. (2014) *Response Strategies to Changes in External Environment by Sony Sugar Company Limited.*
39. Ali H. A. (2014) *The Effects of Penetration Pricing Strategies on Performance of Firms in the Mobile Telephony Industry in Kenya.*
40. Arupe R. J. (2014) *Strategic Change Management Practices at the National Bank of Kenya Ltd.*
41. Gakuo S. W. (2014) *Entry Strategies Used by China Wu Yi Company Limited in its Penetration of the Kenyan Market.*
42. Guchu A. M. (2014) *Strategic Management Practices in Parliament of Kenya.*
43. Isanda M. (2014) *Strategies for Managing Complexity in Kenya Power Limited.*
44. Kanugu D. M. (2014) *Strategies Used by Indigenous Kenya Commercial Banks in Expanding into Africa.*
45. Karwitha P. (2014) *Effects of Monetary Union on Promotion of Regional Trade in East Africa.*

46. Kiboi P. M. (2014) *The Role of it Governance in Aligning Business Strategies at Airtel Kenya Limited*
47. Manali M.(2014) *Strategic Benefits and Challenges of Mobile Banking in Kenyan Commercial Banks.*
48. Mbaabu M. K. (2014) *The State of Strategic Planning in the Teachers Service Commission Kenya.*
49. Miceka G. K. (2014) *Strategic Change Management Practices and Sustainability Models Adopted by International Livestock Research Institute (ILRI) in Kenya.*
50. Mogeni J. K. (2014) *Strategies Employed to Achieve Competitive Advantage by Wananchi Group in the Telecommunication Industry in Kenya.*
51. Mulunda L. N. (2014) *Strategy Implementation of Technology to Enhance Supply Chain Management Best Practices at UNICEF.*
52. Musembi C. M. *Competitive Strategies Adopted by Tribe Hotel in Nairobi, Kenya.*
53. Ngetich G. K. (2014) *Challenges of Strategic Outsourcing by Mobile Telecommunication Companies in Kenya.*
54. Ngui S. K. (2014) *Strategies for the Implementation of Traffic Regulations within the Public Transport Sector in Nairobi City, Kenya.*
55. Njenga J. W. (2014) *Strategic Change and Choice of Change Agency at the Commercial Bank of Africa, Kenya*
56. Njenga R. W. (2014) *Challenges Faced by Stakeholders in Strategy Formulation of the Electricity Sector in Kenya.*
57. Obiga S. D. (2014) *Challenges of Strategy Implementation at the Nairobi County Government.*
58. Ogechi R. K. (2014) *Strategic Responses by the National Bank of Kenya to the Dynamic Environment.*
59. Omar D. A. (2014) *Impact of Strategy on Performance in Public Sector; A Case Study of Kenya Revenue Authority.*
60. Onditi J. O. (2014) *Challenges of Strategy Implementation of Public Private Partnership in Infrastructure Development at Rift Valley Railways Kenya Limited.*
61. Ongaki S. B. (2014) *Strategic Management Practices at Jubilee Insurance Company of Kenya Limited.*
62. Oundo S. B. W. (2014) *Strategic Management Practices at Triad Architects Limited.*
63. Sabala M. (2014) *Strategic Planning by Internet Service Providers in the Telecommunication Industry in Kenya.*
64. Said M. J. S. (2014) *Strategic Management Practices and Performance of Islamic Banks in Kenya: A Case Study of Gulf African Bank.*
65. Salah A. A. (2014) *Strategic Planning and Performance of Banks in Kenya: A Case of National Bank of Kenya*
66. Wachira J. C. (2014) *Strategic Approaches to Affordable Houses in Nairobi County, Kenya.*

## SELECTED KEYNOTE SPEECHES AND PRAXIS

1. The African Development Bank Group, Africa Land Policy Conference, Abidjan, Cote D'ivoire, 25 November 2019
2. Convergence Global Blockchain Congress 2019, Policy on Emerging Technologies, Malaga, Spain, 11-13 November, 2019.
3. KAM, High Level Manufacturing Policy and Economic Forum, Nairobi, 22<sup>nd</sup> October, 2019

4. ISO General Assembly, “Technology: The Impact of Digital”, Cape Town, 19-20 September 2019
5. OECD 2019 Global Blockchain Policy Forum - PL9: Emerging Tech 12-13 September 2019, Paris, OECD Conference Center.
6. MasterCard Foundation, the Ministerial Policy Forum: Harnessing the Power of Technology to Transform Education Systems, 18-19 August, 2019 in Gaborone, Botswana.
7. Ministry of Education, National Science and Technology Exhibition Week, 5-9 August, Nairobi
8. Breakfast Club Africa at the Capital Club East Africa, Nairobi, Technology Policy, Tuesday, 30th July 2019
9. KCB Power Talk Breakfast Series, “Enterprise ICT Investment Trends, Policy, Priorities and Opportunities”, Serena Hotel, Nairobi, 30<sup>th</sup> July 2019
10. The Inaugural Afro-Asia Fintech Festival, Nairobi, Kenya, 15-16 July, 2019
11. African Union, "Entrenching a citizen-centered service delivery culture: Partnering with the youth for Africa's transformation", Nairobi, 20<sup>th</sup> June, 2019
12. UNESCO, ‘Artificial Intelligence for Sustainable Development’, Paris, 4-8 March, 2019
13. Big Data and Business Analytics Conference 2019 Sheraton Lagos Hotel March 5-8 2019
14. Co-Willing Economic Development Conference 2019. Kwale, 25-30 Jan 2019
15. Kabarak University, Annual International Research Conference, “Blockchain – Challenges and Prospects for Kenya”, 22<sup>nd</sup> October, 2018
16. The AidEx Africa 2018 Conference. *Emerging Technologies and the Future of AID*, 12-13 September, 2018, Nairobi, Kenya
17. Seamless East Africa 2018. *Blockchain and the Future of Enterprise*. 3-5 September, 2018. Nairobi, Kenya
18. Africa Cyber Defence Summit – Kenya. *The Future Enterprise and Cyber Security*. 09 – 10 July 2018 at the Kenyatta International Convention Centre (KICC) in Nairobi, Kenya.
19. Social Media Week International (SMWi). *The Impact of Social Media in Africa*. 12th - 15th June 2018, Nairobi, Kenya
20. Microsoft, Africa. *Digital Transformation – the role of multinationals*. September 18, 2017.
21. Global Learning Council Summit (Berlin, Germany). *Paving the Way for the Digital Future*, June 30, 2017.
22. Academy of Management (AOM) Annual Conference, *Managing Digital Transformation*. Palo Alto California – October 5<sup>th</sup> 2017.
23. DBA Conference, *The Necessity of Portfolio Entrepreneurship and its Challenges: A Case Study of Online Agricultural Services in Kenya*. 2017
24. TEDx Kilimani, Nairobi. *Unleashing Data for Digital Transformation*. April 8, 2017
25. IMF Statistical Forum. *Leveraging Digital Transformation for Economic Expansion*. Washington DC 2017.
26. KRA, Kenya. *Optimizing Big Data and Advanced Analytics for Enhanced Tax Administration*. November, 29 2017.
27. AIBUMA Conference, *Backward Forward Linkages in Large and Small and Medium Enterprises in Kenya* 2016
28. Guardian South Africa: *Accessibility and Affordability of Broadband to all*. Johannesburg: 2014.
29. Mobile World Congress: *Sharing the Kenyan ICT experience and a respondent to Mark Zuckerberg’s key note speech*: February 2014.
30. M.I.T Africa Innovate: *The Impact of ICTs on Africa’s Development*. MIT Lab April 11-12, 2014
31. Saudi Arabia: *Developing Saudi Arabia as the Arab region ICT Hub*: 2014.
32. India: *Sharing local experiences on how we created an ICT Hub within a short period of time*: 2014.

## CONFERENCES ATTENDED

1. Africa & Middle East Conference on Software Engineering. 30-31 Oct. 2018, Cairo, Egypt.
2. 3rd East African Business and Entrepreneurship Conference. 30th to 31st October, 2018 in Kampala Uganda.
3. Euromoney Conference Morocco Conference. 19<sup>th</sup> September 2018. Rabat, Morocco.
4. Pension Funds and Investments in Africa Conference. 12th -13th September 2018 at The Michelangelo Hotel, Sandton, Johannesburg in South Africa.
5. 4th regional Credit Information Sharing Conference 2018. 27-28 August 2018, Kenya School of Monetary Studies at KSMS, Nairobi, Kenya.
6. National Research Fund. Launch of National Research Fund Strategic Plan and Award of NRF 2016 Grants, December 14, 2017. Nairobi, Kenya.
7. GIZ, Make-IT in Africa Tech Entrepreneurship. December 7, 2017. Nairobi, Kenya.
8. DEMO Africa. 6th Annual DEMO Africa conference, November 23-24, 2017. Johannesburg, South Africa.
9. IMF. Fifth IMF Statistical Forum, Measuring the Digital Economy, November 16–17, 2017. Washington, DC.USA.
10. Institution of Surveyors of Kenya (ISK). The Land and Property Sector in Africa: Marching into the Future, November 8-9, 2017. Nairobi, Kenya
11. GSMA. Mobile 360 Africa - Pathways to Social Transformation, July 5-6, 2017. Dar Es Salaam, Tanzania.
12. KIM. Business Strategy for Results: The Essential Toolkit for Innovative Leadership, June 28-30. Mombasa, Kenya.
13. International Development Research Centre (IDRC-Canada). Digitization and the Future of Work, June 15-16. Ottawa, Canada.
14. National Aid Control Council. Achieving Health Care by 2030: Is Sustainable Financing for HIV and NCDs Key to Effective Health Governance, May 31, 2017. Nairobi, Kenya.
15. Google & International Institute of Tropical Agriculture (IITA). Internet Policy and Governance in Africa, May 4, 2017. Ibadan, Nigeria.
16. The Wall Street Journal. Investing in Africa, Technology, Transition and Growth conference, March 7, 2017. The News Building, London.
17. UN World Data Forum. Improving data and statistics for the 2030 Agenda for Sustainable Development. January 2017. Cape Town, South Africa.
18. AfDB-EIB. Youth Employment, Energy and Innovation, Industrialization, and Agribusiness, November 21-22, 2016. Abidjan, Côte d'Ivoire.
19. Beyond Profit Kenya. Making The SDGs Relevant For Business, Civil Society and Government, November 18, 2016. Nairobi, Kenya
20. UN Conference. SDGs, Data and Capacity Development: From a Data Revolution to a Capacity Revolution. July 19, 2016. New York, USA.
21. World Bank's conference on Harnessing Digital Trade for Competitiveness and Development. May 19-20, Washington, DC.
22. UNCDF. United Nations Conference on the Midterm Review of the Istanbul Programme of Action for the Least Developed Countries, May 29, 2016. Antalya, Turkey.
23. ICTs and Governance in Africa. The role of new media in peacebuilding and state-building July 9-10, 2014 Conference. Political Entrepreneurialism: Reflections of a Civil Servant and the Role of Political Institutions in Technology Innovation and Diffusion in Kenya. Oxford University, England.
24. Africans investing in Africa - the frontier busters. Author's Conference, March 13, 2014. ICT Investments in Africa. Johannesburg, South Africa.

25. 2<sup>nd</sup> Africa School on Internet Governance Conference, 21 – 25 November, Mauritius. Role of ICTs in Employment and Wealth creation.
26. The Guardian Activate Conference in Johannesburg. Keynote Speech on Global Innovation and Broadband Access in Africa. July 9, 2014.
27. Kabarak University Keynote speech. Development of Sustainable Innovation Ecosystem. July 18<sup>th</sup> 2014.
28. eLearning Africa 2014 Conference in Kampala. Perspectives on ICTs, Education and Development in Africa. May 2014.
29. ICTD 2013 Conference on Information and Communication Technologies and Development. A4AI — 2013 Affordability Report Stark Insights, New Solutions. December 7 -9, 2013. Cape Town.
30. UbuntuNet 2011 Connect. Keynote Speech- Access for Success. November 23-25, 2011. Safari Park Nairobi.
31. International Telecommunications Union (ITU). Headed the Kenyan Delegation for several years.
32. Universal Postal Union (UPU). Headed Kenyan Delegation to numerous policy negotiations.
33. Linkage Dynamics between MSEs and Multinational Corporations in Kenya.
34. Entrepreneurship & Development in Education, Policy & Research” 1st – 3rd November 2005 at Blackpool, UK.
35. Assessing Social Enterprise: Evidence from Kenya. 27th ISBA Conference Entrepreneurship and SME Development. “Creating Opportunities: Entrepreneurship & Development in Education, Policy & Research” 2nd – 4th November 2004 at Newcastle-Gateshead, UK.
36. Can Faith Based Enterprises be Sustained in Kenya? 2004 Babson Kau man Foundation Entrepreneurial Research Conference. Co-sponsored by The Hunter Centre for Entrepreneurship, University of Strathclyde, Glasgow, Scotland June 3rd – 5th, 2004.
37. A Synthesis of Enterprise Research Methods in Africa. Centre for Excellence in Entrepreneurship Development (CEED) United States International University, Kenya. May 12th – 14th, 2004.
38. Methodological pitfalls in conducting Entrepreneurial Research in Africa: A Research Synthesis. Research Paradigms in Entrepreneurship and Small Business. The University of Surrey, Guilford – April 3rd – 4th 2003.

## CONSULTING EXPERIENCE

### **The World Bank 2019**

**Partnership for Skills in Applied Sciences, Engineering and Technology (PASET). Country Workshop on Skills Required for the Fourth Industrial Revolution and the Digital Economy**

#### **Lead Consultant**

Client: Lake Region Development, 2015

Task: *Development of Master Plan.*

#### **Lead Consultant**

Client: Nyayo Tea Zones, 2005

Task: *Development of strategic plan.*

#### **Lead Consultant**

Client: Various 2004

Task: *Conducted series of seminars to validate service delivery survey reports*

**Lead Consultant**

Client: Teachers' Service Commission, 2003

Task: *Re-designing of the Front Office/Registry Systems Design and Management as part of Teachers Service Commission's Service Delivery improvement Programme.*

**Lead Consultant**

Client: Ministry of Information and Tourism, Ministry of Transport and Communication & Ministry of Trade and Industry, 2002

Task: *Research, writing and delivery of a Service Delivery Survey.*

**Lead Consultant**

Client: Kenya Public Service, Directorate of Personnel Management, 2002

Task: *Preparing a Concept Paper on Training and Capacity Building for the Civil Service and subsequent drafting of the Training and Capacity Building Policy for the Kenyan Public Service, Directorate of Personnel Management.*

**Lead Consultant**

Client: Civil Service Reform Secretariat, Public Sector Reform, 1998

Task: *Conducted a study on Staffing Norms for the Messenger Cadre, Civil Service Reform Secretariat being part of Public Sector Reform.*

**Lead Consultant**

Client: Ministry of Environment and Natural Resources, 1997

Task: *Rationalisation of ministerial functions at the Ministry of Environment and Natural Resources through Civil Service Reform Secretariat being part of Public Sector Reform.*

**Lead Consultant**

Client: Ministry of Finance, 1997

Task: *Review of Systems Network and Implementation of the Integrated Payroll and Personnel Database (IPPD), Ministry of Finance.*

**Lead Consultant**

Client: Ministry of Lands and Settlement, 1997

Task: *Review of Systems Network and Implementation of the (IPPD), Ministry of Lands and Settlement.*

**Lead Consultant**

Client: Kenya Public Service, Directorate of Personnel Management, 1997

Task: *Conducted Performance Management Workshops for Senior Public Servants, Directorate of Personnel Management being part of Public Sector Reform.*

**Lead Consultant**

Client: Ministry of Lands and Settlement, 1996

Task: *Rationalisation of ministerial functions at the Ministry of Lands and Settlement through Civil Service Reform Secretariat being part of Public Sector Reform.*

**Lead Consultant**

Client: Ministry of Lands and Settlement, 1996

Task: *Organisational and Policy Review: Structure, Process and Procedures, Ministry of Lands and Settlement, Civil Service Reform Secretariat being part of Public Sector Reform.*

### **Head Researcher**

Client: The Government of Kenya, 1995

Task: *Led a team of researchers in the Follow-up Survey on the impact of Voluntary Early Retirement Scheme.*

## **LEADERSHIP AND INVOLMENT IN KEY TRANSFORMATIVE PROJECTS**

- M-PESA:** Instrumental in fast-tracking the implementation of the M-PESA that has changed the way Kenyans do business for ever.
- TEAMS:** Instrumental in linking Kenya to the rest of the World through the undersea cable which led to lowering the cost of telephony from \$6 to less than Ksh. 1 today.
- KNET:** Lobbied Government to subsidize broadband to all university through KNET
- WEZESHA:** Lobbied Government to subsidize purchase of Computers by University Students across the country benefiting more than 10,000 students.
- DIGITAL VILLAGE:** As part of helping push the use of broadband, Bitange was instrumental in creating more than 250 digital villages across the country to enable access to broadband.
- KONZA TECNOCITY:** Conceptualized the process of creating the first ICT ecosystem in Konza that was to include start up incubation centers as well as training facilities as part of bringing institutions of higher learning closer to industry and government.
- OPEN DATA:** This was a transformative project that led to development of many applications and job creation

## **JOURNALISM AND PUBLIC INTELLECTUAL WORK**

### **Weekly articles in my *Daily Nation* column**

- *There is wealth in our creative content, November 11, 2019*
- *How ideas die, November 4, 2019*
- *We need more interventions to save manufacturing, October 28, 2019*
- *What ails Kenya's manufacturing sector, October 21, 2019*
- *Declare war on inequality and prosper, October 14, 2019*
- *Does the structure of the Executive really matter?, October 7, 2019*
- *What is your digital health wallet?, September 30, 2019*
- *Exploit China's avocado export opportunity, September 23, 2019*
- *Here are a few opportunities we missed in the census, September 19, 2019*
- *Rise of unproductive informal sector bears false hope, September 18, 2019*
- *Raising taxation on Internet slows economic growth, September 16, 2019*
- *What's really happening in our economy?, August 27, 2019*

- *Row over Hon. Okoth's death shows why we need privacy laws, August 16, 2019*
- *We must think critically about the future of education, AUGUST 5, 2019*
- *Joe Kadenge's life and death poke a hole on our culture, JULY 29, 2019*
- *Death of Africans in Libya could herald a new governance, JULY 15, 2019*
- *Kenya has made great strides in ICT but key aspects need more work, JULY 8, 2019*
- *Using children to beg undermines our core values, JULY 1, 2019*
- *Kenya's mineral resources could pull millions out of poverty, JUNE 24, 2019*
- *Relook the Sexual Offences Act to save the boy child, JULY 17, 2019*
- *Uhuru's land policy proposals may be a turning point in managing resources DECEMBER 4, 2017*
- *Start-ups don't grow without honest business partners NOVEMBER 27 2017*
- *We urgently need more stories of Kenyans who can lead NOVEMBER 20 2017*
- *Social media fuelling political extremism in Kenya NOVEMBER 13 2017*
- *Those who wish to destroy, then rebuild, the economy are mistaken NOVEMBER 6 2017*
- *Africa must be alert to China's leadership transition OCTOBER 31 2017*
- *We must stop undervaluing community - nobody develops alone OCTOBER 23 2017*
- *How we can leave no one behind OCTOBER 16 2017*
- *Breaking tech's glass ceiling in Africa - a young woman's story OCTOBER 9 2017*
- *In Kenya, women entrepreneurs depend on men's decisions OCTOBER 2 2017*
- *Trump's friends 'trying to get rich' in Africa should be a wake-up call SEPTEMBER 25 2017*
- *In Somali business success, trust plays a vital role SEPTEMBER 18 2017*
- *There's more to 'prison' school complaints than crowded dorms SEPTEMBER 11 2017*
- *My small 'study' shows Kenyan WhatsApp users are of three kinds SEPTEMBER 4 2017*
- *To survive the digital future, go beyond the love of convenience AUGUST 28 2017*
- *New groundbreaking ways of measuring economic progress AUGUST 14 2017*
- *Vote for the country, for future generations and posterity AUGUST 7 2017*
- *Philanthropy and faith groups may be the answer for education JULY 31 2017*
- *To engage with China, you need a strategy JULY 24 2017*
- *Technology in agriculture must reach small-scale farmers JULY 17 2017*
- *Europe shows how Africa's tech hubs can thrive JULY 10 2017*
- *David Ndii's position exposes hypocrisy of civil society JULY 7 2017*
- *Technocrat running mates could lift governors, or unsettle them JUNE 5 2017*
- *Amazon is changing how we buy food, and Africa stands to profit JUNE 25 2017*
- *No, oil won't take us to Canaan JUNE 19 2017*
- *Liberal arts education - Africa's antidote against exploitation MAY 22 2017*
- *Ethiopia's ancient civilisation gears up for modern manufacturing MAY 8 2017*
- *How Keroche Foundation is growing young entrepreneurs MAY 29 2017*
- *Our dry grazing lands can serve world markets APRIL 3 2017*
- *We must dispel the fallacy that entrepreneurs are born APRIL 10 2017*
- *Kenyan businesses need to embrace Open APIs MARCH 6 2017*
- *Kenya needs a clear leader, not 'half loaf' coalitions MARCH 13 2017*
- *Nobody innovates alone - good ideas must collide with other good ideas MARCH 20 2017*
- *Kenya won't develop if its politics aren't reined in FEBRUARY 27 2017*
- *Those who disparage mega projects overlook how economies grow FEBRUARY 20 2017*
- *Business ideas sparked by a visit to a Cape Town vineyard JANUARY 2 2017*
- *Why doesn't dancing for tourists pay more? Tourism lessons from Rhodesia JANUARY 9 2017*
- *Obama's farewell speech is remarkably relevant for Africa JANUARY 16 2017*

- *What would the unthinkable in Kenya look like? We must prepare* DECEMBER 12 2016
- *Why magnificent Angola needs to change* November 28 2016
- *Technology is succeeding, not failing, in the fight against corruption* NOVEMBER 7 2016
- *3D printing is now at the heart of lifesaving surgery* NOVEMBER 14 2016
- *Why I wish I were Kiambu governor* SEPTEMBER 19 2016
- *A peaceful agricultural revolution is possible* SEPTEMBER 26 2016
- *Education in Africa has helped to entrench colonial systems* SEPTEMBER 12 2016
- *Turkana's young people are not waiting for the oil* AUGUST 8 2016
- *We're in grave danger when higher education doesn't pay off* JULY 18 2016
- *Nairobi is decaying, choking and mired in shopping malls* JULY 4 2016
- *Why Chinese fish will continue to land on Kisumu tables* JULY 11 2016
- *ihub is evolving to help more start-ups grow and compete* APRIL 11 2016
- *Wise words from a Murang'a poultry farmer* APRIL 18 2016
- *Kaloleni may have had its last dance* MARCH 28 2016
- *Farming need not be a trap of sweat without earnings* March 21 2016
- *How silkworms and cotton are spinning jobs in Makueni* MARCH 14 2016
- *This small start-up is opening manufacturing to the masses* MARCH 7 2016
- *Kenyan textiles can compete with the best* FEBRUARY 29 2016
- *Heirs' urge to sell is ruining old, wealthy Kenyan families* FEBRUARY 15 2016
- *Agoa has rich export opportunities, if Kenya is interested* FEBRUARY 8 2016
- *Dagoretti's furniture-makers could easily be exporting worldwide* JANUARY 25 2016
- *Ethiopia is welcoming the investors Kenya has frustrated* DECEMBER 14 2015
- *WTO is a beacon of false hope because free trade is a mirage* DECEMBER 19 2015
- *Fresh organic food could be a much bigger business* NOVEMBER 30 2015
- *Our duka crisis, or why entrepreneurs must be guided* OCTOBER 19 2015
- *The burden of social obligations, or giving beyond your means* SUNDAY SEPTEMBER 27 2015
- *By now we should have created an ugali machine* SEPTEMBER 20 2015
- *It's really unemployment that is killing Bungoma's young men* SEPTEMBER 13 2015
- *What if we knew the cost of Panadol in all East African hospitals?* SEPTEMBER 7 2015
- *The day I left office, my phone literally ceased to ring* AUGUST 16 2015
- *Children's furniture maker Funkidz shows the value of retraining* AUGUST 24 2015
- *Experts meet in Nairobi over cybersecurity* JULY 30 2015
- *Kenya's education system must stop failing poor children* JULY 12 2015
- *When local healing confounds modern medicine* JULY 6 2015
- *Young people are building Dandora's clean, green future* JUNE 8 2015
- *Picking apart Israel's culture of innovation* JUNE 14 2015
- *Suguta, the 'Valley of Death', is brimming with opportunity* MAY 11 2015
- *Will Narok lose yet more people in floods next year?* MAY 4 2015
- *Technology can help fix problems facing small businesses* APRIL 6 2015
- *Creative industries need protection and deliberate support - not repression* MARCH 23 2015
- *Fashion and textile have grown entire economies, so what holds Kenya back?* MARCH 16 2015
- *How to mend Africa's fragile economies* JANUARY 4 2015
- *Why Ndi's view on Konza City and other projects is misleading* NOVEMBER 14 2014
- *Human capital, not mega-projects, will turbo-charge economy* NOVEMBER 7 2014
- *Why African restaurants fail* SEPTEMBER 7 2014
- *The mystery of success* SEPTEMBER 22 2014

- *Ethiopia Rising AUGUST 31 2014*
- *Linking jua kali to innovation for employment and wealth creation AUGUST 18 2014*
- *How we can plan for smart cities of the future AUGUST 4 2014*
- *Our consumerism and its effects on the economy JULY 28, 2014*
- *The power of the creative economy to unite people, and its impact on employment, JUNE 29, 2014*
- *The sad story of our public healthcare and lack of innovation, JUNE 23, 2014*
- *The fear of telling the truth in our agricultural sector, JUNE 16, 2014*
- *The National Dialogue Agenda, JUNE 9, 2014*
- *Great followers make the best leaders, JUNE 2, 2014*
- *Why we are perpetually poor, JUNE 26, 2014*
- *Calibrating the mama mboga economy, JUNE 19, 2014*
- *Re-thinking rural Kenya and the livestock economy, MAY 12, 2014*
- *Toilet paper dialogue, MAY 5, 2014*
- *Lessons from Saudi Arabia and our rural renaissance, APRIL 28, 2014*
- *The love for ranking and our inadequacies, APRIL 21, 2014*
- *A chat with a digital beggar and reforms in higher education, APRIL 3, 2014*
- *The Faith of Zebulon – The missing link in Africa’s Development, APRIL 9, 2014*
- *Why we must upgrade our Jua Kali sector, MAY 30, 2014*
- *The folly with vetting processes in Kenya, MAY 23, 2014*
- *Why we are just consumers, MAY 17, 2014*
- *Dreaming big on public transportation systems, MAY 9, 2014*
- *The dilemma of our education and language dynamics, MAY 2, 2014*
- *A Lesson from Barcelona, FEB 23, 2014*
- *A nation of Gamblers and an Unemployment Crisis, FEB 17, 2014*
- *Ruminations of Ota Benga, FEB 9, 2014*
- *Akaky Akakievich’s death and our own paradoxes, FEB 2, 2014*
- *Our Education through my eyes, JAN 26, 2014*
- *Kisumu, a city with a view, JAN 12, 2014*
- *The Burden of Cancer, JAN 6, 2014*
- *Motieri’s “Death” and Africa’s Development, DEC 30, 2013*
- *Why is it so expensive for a Kenyan to holiday at home?, DEC 23, 2013*
- *To democracy, we must add discipline, DEC 16, 2013*
- *Mandela's Dream: Thoughts on a flight to Cape Town, DEC 10, 2013*
- *The story behind Kenya's Open Data, DEC 2, 2013*
- *Africa's time is indeed now, NOV 26, 2013*
- *Matatu road hogs are a raging protest, NOV 18, 2013*
- *Turf protection, corruption can erode technology gains, OCT 25, 2013*
- *A glimpse of India with a Kenyan familiarity, OCT 24, 2013*
- *My three days in Nigeria, OCT 10, 2013*
- *Makau can do better than prophesying doom, JAN 12, 2013*
- *Coverage of migration licence issue unreasonable, JUL 26, 2011*
- *Your editorial was meant to besmirch the government, MAY 10, 2010*

**Weekly column in the *Business Daily*.**

- *Is Africa ready for a new ideology? November 14, 2019*
- *Time to deal with avoidable tragedies, November 6, 2019*

- *Unlock Africa's public finance potential, October 24, 2019*
- *Tax collection in a digital era, October 17, 2019*
- *Sort out the public transport mess, October 9, 2019*
- *Use Blockchain to bar construction quacks, October 2, 2019*
- *Painful steps KQ must take to roar, again, September 25, 2019*
- *Africa must not miss the Blockchain bus, September 18, 2019*
- *Time ripe for One-Africa clarion call, September 11, 2019*
- *Transparency will save Kenya from oil curse, September 4, 2019*
- *Don't blame technology for job losses, August 28, 2019*
- *How trade war sparked technology war, August 21, 2019*
- *Lessons on overcoming trade barriers, August 14, 2019*
- *On ICTs, we are now on the right track, August 7, 2019*
- *US Congress erred in blocking Libra, July 31, 2019*
- *The future of food regulation, July 24, 2019*
- *Why higher education reforms are key, July 17, 2019*
- *Celebrating Collymore's rich legacy, July 10, 2019*
- *The IT and biological technology link, July 3, 2019*
- *How cryptocurrency space is evolving, June 26, 2019*
- *We are firmly in 4th Industrial Revolution, June 19, 2019*
- *Africa must speak with one voice, June 12, 2019*
- *Overhaul university curriculum, June 5, 2019*
- *It's time varsities tapped IT potential, May 22, 2019*
- *Avoid feuds in family business succession, May 15, 2019*
- *Use data to inspire economic activity, May 8, 2019*
- *How to end the Nairobi traffic nightmare, May 7, 2019*
- *Hire people with skills, not many degrees, May 1, 2019*
- *Housing key to economic stability, April 17, 2019*
- *Why Britain is deeply divided, April 10, 2019*
- *Can Africa's energy crises be resolved? April 3, 2019*
- *Why teachers fear new curriculum, March 27, 2019*
- *Huduma Namba will be a game changer, March 20, 2019*
- *Unleashing power of data analytics, March 13, 2019*
- *Parliament overstepped mandate, March 6, 2019*
- *How to plug healthcare financing gap, February 27, 2019*
- *Time for smart transport solutions, February 20, 2019*
- *Curriculum reforms long overdue, February 13, 2019*
- *How digital solutions can stem number plate fraud, February 6, 2019*
- *Future of pension in era of disruptions, February 6, 2019*
- *Africa not immune to disruptions, January 30, 2019*

- *Roll out measures to tackle terror, January 23, 2019*
- *Why politics, census are linked, January 16, 2019*
- *The epidemic of mobile addiction, January 9, 2019*
- *Time to look at bigger picture in education, January 2, 2019*
- *Develop adequate tools to monitor pollution DECEMBER 6, 2017*
- *Utilise big data to spur economic growth NOVEMBER 29, 2017*
- *Retailers must innovate to be competitive NOVEMBER 22, 2017*
- *Enforce productive use of land resources NOVEMBER 15, 2017*
- *Universal Internet access looming in horizon NOVEMBER 8, 2017*
- *Africa venture capital scene ripe with potential OCTOBER 25, 2017*
- *How to improve student learning outcomes OCTOBER 11, 2017*
- *Tackling poaching with Internet of Things OCTOBER 4, 2017*
- *Individual data privacy a thorn in our flesh SEPTEMBER 27, 2017*
- *Using Big Data to make smart decisions SEPTEMBER 20, 2017*
- *How over-regulation stifles innovation SEPTEMBER 13, 2017*
- *Local enterprises must scale up standards SEPTEMBER 6, 2017*
- *How predictive weather data can save lives AUGUST 23, 2017*
- *Forget land and invest in digital currencies AUGUST 16, 2017*
- *Benefits of soaring Internet use in Kenya AUGUST 9, 2017*
- *Cholera: Make water, toilets accessible AUGUST 2, 2017*
- *Tech, biology ties open new horizon JULY 26, 2017*
- *Where to get cybersecurity experts JULY 19, 2017*
- *Is it time we revolutionised learning? JULY 5, 2017*
- *It's time to build skill sets for the future JUNE 28, 2017*
- *Banking sector disruptors are already here JUNE 21, 2017*
- *How Uber weathered local resistance storm JUNE 14, 2017*
- *Use SGR to create a 24-hour economy JUNE 7, 2017*
- *Local skills gap hampers Africa growth MAY 31, 2017*
- *How terrorism is changing the world MAY 24, 2017*
- *Failure to exploit data will cost Africa dear MAY 17, 2017*
- *Why world is facing uncertain future MAY 10, 2017*
- *Let Africa start predicting crop yields MAY 3, 2017*
- *Africa must not miss healthy foods bus APRIL 26, 2017*
- *Nairobi's Koko tech good news for forests APRIL 19, 2017*
- *Internet of Things will streamline matatus APRIL 12, 2017*
- *Invest in research to ensure food security APRIL 5, 2017*
- *How start-up made inroads in data collection MARCH 1, 2017*
- *Disputes will hurt new taxi business model FEBRUARY 22, 2017*
- *Enhancing cancer management through IT FEBRUARY 15, 2017*
- *How Kenya gave rise to Africa ICT revolution FEBRUARY 8, 2017*

- *Is education sector ready for major disruption? FEBRUARY 1, 2017*
- *Africa can't afford to ignore Data Revolution JANUARY 25, 2017*
- *How to utilise knowledge in wealth creation JANUARY 18, 2017*
- *Digital addiction an emerging crisis in Kenya JANUARY 11, 2017*
- *Drawing key lessons from past successes, failures JANUARY 4, 2017*
- *Blockchain technology key to tackling piracy DECEMBER 28, 2016*
- *We must adapt to fast-changing technology DECEMBER 21, 2016*
- *Artificial intelligence set to disrupt world again DECEMBER 14, 2016*
- *S. Africa's broken promises and tech resilience DECEMBER 7, 2016*
- *Tame divisive politics by pushing the truth NOVEMBER 30, 2016*
- *Africa transformation lies in digital revolution NOVEMBER 9, 2016*
- *Fresh ideas needed to transform SME sector NOVEMBER 2, 2016*
- *Enhance tax compliance through technology OCTOBER 26, 2016*
- *How to fly KQ out of turbulence quickly OCTOBER 19, 2016*
- *Plug quality loopholes in food supply chain OCTOBER 12, 2016*
- *Invest in intelligent software to curb data abuse OCTOBER 5, 2016*
- *It's time to adapt to evolving education sphere SEPTEMBER 21, 2016*
- *Are we capable of negotiating global treaties? SEPTEMBER 14, 2016*
- *Global conferences shouldn't be a Nairobi affair SEPTEMBER 7, 2016*
- *Technology can keep loan transaction costs low AUGUST 31, 2016*
- *Small startups can solve Africa's big problems AUGUST 24, 2016*
- *Pay attention to resilient ICT systems AUGUST 17, 2016*
- *Africa must drop endless conferences AUGUST 10, 2016*
- *Why Africa must learn from 'Make In India' AUGUST 3, 2016*
- *Why we have not yet cracked trade financing JULY 27, 2016*
- *Gambling a major threat to poverty reduction JULY 20, 2016*
- *Why I think NCPB has outlived its usefulness JULY 13, 2016*
- *Ultra-nationalism in West is Africa's wake-up call JULY 6, 2016*
- *Brexit exposed the problem with democracy JUNE 29, 2016*
- *Agriculture sector woes need proactive solutions JUNE 22, 2016*
- *Taxing informal sector requires better strategy JUNE 15, 2016*
- *South Korea put Kenya on industrial revolution path JUNE 8, 2016*
- *Gender inequality hampering poverty fight JUNE 1, 2016*
- *Are new enterprise models disrupting growth? MAY 25, 2016*
- *SA lessons on economic impact of protests MAY 18, 2016*
- *Enforcing code of ethics can help war on graft MAY 11, 2016*
- *Change tack on youth enterprise programmes MAY 4, 2016*
- *Embracing technology can change people's lives APRIL 27, 2016*
- *Banking industry woes have killed many dreams APRIL 20, 2016*
- *Education system needs a total overhaul APRIL 13, 2016*

- *Introduce college entry exams to curb cheating APRIL 6, 2016*
- *Kenya should pay for SGR extension to Uganda MARCH 30, 2016*
- *Are meetings becoming a drag on development? MARCH 23, 2016*
- *We're killing education by focusing on exams MARCH 16, 2016*
- *SGR need not be in conflict with Nairobi park MARCH 9, 2016*
- *Africa must wake up from technology slumber MARCH 2, 2016*
- *What businesses can learn from Tusksys on succession planning FEBRUARY 29, 2016*
- *The shifting sands of new technologies FEBRUARY 24, 2016*
- *Why war on cancer needs local solutions FEBRUARY 17, 2016*
- *Emerging innovations can't be wished away FEBRUARY 10, 2016*
- *Kenyans must adapt to changing lifestyle FEBRUARY 3, 2016*
- *Embrace innovation instead of fighting it JANUARY 27, 2016*
- *How to find our position in global village JANUARY 20, 2016*
- *Our ignorance is costing the economy dearly JANUARY 13, 2016*
- *Find lasting solution to human, wildlife conflict JANUARY 6, 2016*
- *Why I think 2015 was a good year for Kenya DECEMBER 30, 2015*
- *Rising rural insecurity a threat to progress DECEMBER 23, 2015*
- *Competitive environment driving innovation DECEMBER 16, 2015*
- *Why NGOs in Africa need serious reforms DECEMBER 9, 2015*
- *Kenya's Silicon Savannah dream feasible DECEMBER 2, 2015*
- *Mega projects have role in long-term growth NOVEMBER 25, 2015*
- *Informal sector more financially innovative NOVEMBER 18, 2015*
- *Youth apathy hampering entrepreneurship NOVEMBER 11, 2015*
- *Towards a people-centred Internet in Africa NOVEMBER 4, 2015*
- *Why we should worry about cyber security OCTOBER 28, 2015*
- *Find lasting solutions to societal problems OCTOBER 21, 2015*
- *Tanzania on the edge ahead of elections OCTOBER 14, 2015*
- *Development devoid of aesthetics is useless OCTOBER 7, 2015*
- *Let's prepare adequately for El Niño SEPTEMBER 30, 2015*
- *Let's adopt open access model for SGR SEPTEMBER 23, 2015*
- *We need more sustainable use of land SEPTEMBER 16, 2015*
- *Exploit soft power to grow Brand Kenya SEPTEMBER 9, 2015*
- *Why world jumps when China catches a cold SEPTEMBER 2, 2015*
- *Sugarcane farmers will profit from beans AUGUST 26, 2015*
- *Work with farmers to develop rural areas AUGUST 19, 2015*
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### **PROFESSIONAL AND OTHER MEMBERSHIP DETAILS**

1. Institute of Management Accountants (USA)
2. Fellow Kenya Institute of Management
3. Senate, University of Nairobi
4. Various private members clubs

### **HONORS AND AWARDS**

1. Chief of the Burning Spear (CBS), Government of Kenya
2. Volunteer of the Year Award, Government of the State of Minnesota
3. President's Student Leadership Award, USA
4. Student Leadership Award, University of Minnesota

### **VOLUNTARY SERVICES AND OTHER GLOBAL ASSIGNMENTS**

1. Free Monthly lecture series on Entrepreneurship and Technology at I-Hub.
2. Advisor to iHub (a globally renown tech incubation facility in Kenya)
3. Senior Advisor – Better than Cash Alliance. A global UN initiative to encourage cash equivalent for payment of goods and services.

# Referees

Prof. Mark Graham  
Professor Internet Geography  
Oxford University  
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Prof. Tim Weiss  
Assistant Professor  
Imperial College.  
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