



AALBORG UNIVERSITY AND GHANA TECHNOLOGY UNIVERSITY COLLEGE



2nd CMI-GTUC CONFERENCE

Applications of Mobile Communications in Africa: Prospects & Challenges

Day 1 – May 16	Conference Program
08:30 – 09:30	<i>Registration of Participants</i>
09.30 – 10:30	<p><i>OPENING SESSION – Florence Onny AUDITORIUM</i></p> <p>Chairpersons: <i>Dr. Osei K. Darkwa & Prof. Knud-Erik Skouby</i></p> <p><i>Welcome to the Conference: Dr. Osei K. Darkwa, President of GTUC</i></p> <p><i>Overview of the Conference: Prof. Knud-Erik Skouby, Director of CMI</i></p> <p>Special Guest of Honor Address:</p> <p><i>Applications of Mobile Communications in Africa: Prospects & Challenges</i> <i>By Honorable Dr. Edward Omane-Boamah, Minister of Communications, Ghana</i></p> <p>Keynote Address:</p> <p><i>Applications of Mobile Communications in Africa: Prospects and Challenges</i> <i>By Dr. Abdulai Salifu, Director General, Center for Scientific & Industrial Research (CSIR)</i></p>
10:30 – 11:00	<i>Group Photograph & Tea Break</i>
11:00 – 12:00	<p>Panel Discussion 1: Mobile Broadband</p> <p>Chair: <i>Anders Henten, Professor MSO, CMI, Aalborg University</i></p> <p>Panel Discussants:</p> <p><i>Knud-Erik Skouby, Professor & Director, CMI, Aalborg University</i></p> <p><i>Kwaku Sakyi-Addo, CEO, Ghana Chambers of Telecommunications</i></p> <p><i>Dr. Godfred Frempong, Deputy Director, STEPRI, CSIR</i></p>
12:00 – 13:00	<i>Lunch</i>
13:00 – 14:30	<p>Paper Session 1: Markets and Users</p> <p>Chair: <i>Dr. Robert Awuah Baffour, Vice President, GTUC</i></p> <p>Regulatory Frameworks and Implementation Patterns for Mobile Money in Africa: The Case of Kenya, Ghana & Nigeria</p> <p><i>By Idongesit Williams, CMI, Aalborg University</i></p> <p>Mobile Phone Communications Revolution: The Kenyan Experience.</p> <p><i>By Juliet W. Macharia & Catherine S. Buleyo, Dept. of Communication Studies, Moi University, Nairobi, Kenya</i></p> <p>Impact of the Internet on the Growth of the Nigerian Economy</p> <p><i>By Mohammed Mallam Isogo, Dept. of Economics, Niger State College of Education, Minna</i></p>



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Effects of Switching Costs on Mobile Number Portability: Ghana Mobile Telecommunications

By J. A. Ansere, K. A. Bonsu, A. Duodu, K. T. Djang-Fordjour, Department of Electrical/Electronic Engineering, Sunyani Polytechnic, Ghana

14:30 – 14:50

Afternoon Tea Break

14:50 – 15:30

Panel Discussion 2: WWRF – Vision for 2020 From an International Industry/Academic Forum

Panel Discussants:

Dr. Osei K. Darkwa, President, GTUC

Knud-Erik Skouby, Professor & Director, CMI, Aalborg University

15:30 – 17:00

Paper Session 2A: Technological Solutions

Venue: VCC

Chair: *Dr. Peter Tobbin, CMI, Aalborg University*

The Value of Solar Photovoltaic Electricity in ICT for Developing African Countries: Case of Ghana

By K. K. Tsivor, CMI, Aalborg University

Problems and Prospects of Mobile Communication in Nigeria

By Samaila Yahuza, Department Of Office Technology And Management, Hassan Usman Katsina Polytechnic, Katsina State, Nigeria

Internet Authentication and Billing (Hotspot) System Using MikroTik Router Operating System

By L. A. Nafiu & D. Hakimi, Department of Mathematics & Statistics, Federal University of Technology, Minna, Niger State, Nigeria

An Intrusion Detection Techniques For Mobile Network Technology

By Aminu Dau Mashi, Department Of Office Technology And Management, Hassan Usman Katsina Polytechnic, Katsina State, Nigeria

15:30 – 17:00

Paper Session 2B: Social Networking

Venue: Florence Onny Auditorium

Chair: *Dr. Franklin Asamoah-Baah, Dean, Informatics Faculty, GTUC*

Understanding Social Networking for Privacy in Mobile Communication.

By Abdullahi Isah, CMI, Aalborg University

Adoption and Acquisition of Health-IT in Ghana: A Theoretical Framework.

By Kodzo Gadepo Adomey, CMI, Aalborg University



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Youth Development and Social Networking in Sub-Saharan Africa: Prospects & Challenges

By Shehu Ibrahim, Dept. Of Computer Science, Federal College of Education, Kano, Nigeria

How To Develop Competitive Search Engine Ranking in Nigeria

By Mohammed Ibrahim, e-Portal Unit, F.C.E Kano, Nigeria

17:05 – 17:15

Closing Remarks & Announcements

Dr. Osei K. Darkwa & Prof. Knud-Erik Skouby

18:00 – 20:30

Diner at the Sun Lodge Hotel, Tesano, Accra.

Day 2 – May 17

Conference Program

PLENARY SESSION – FLORENCE ONNY AUDITORIUM

09:00 – 09:10

*Welcome to the Conference: Prof. Patrick Otoo Bobbie, Registrar, GTUC
Prof. Knud-Erik Skouby, Director of CMI*

09:10 – 10:00

Panel Discussion 3: Mobile Applications

Chair: *Reza Tadayoni, Associate Professor, CMI, Aalborg University*

Panel Discussants:

Prof. Anders Henten, MSO, CMI, Aalborg University

Prof. Patrick Otoo Bobbie, Registrar, GTUC

Dr. Peter Tobbin, CMI, Aalborg University

10:00 – 10:20

Morning Tea Break

10:20 – 12:10

Paper Session 3: Topic: E-learning

Chair: *Dr. Josephine Larbi-Apau, Head, COLT, GTUC*

The Relevance of Information Communication Systems to Academic Staff of Colleges of Education in Nigeria; a Survey Research of Federal College of Education Katsina, Katsina State

By Shuaibu Musa Rafindadi, General Studies Department, Federal College of Education Katsina, Nigeria

Effective Teaching of Information and Communication Technology Course Units: Perception of Office Technology and Management Lecturers in Polytechnics of Northern States of Nigeria

By Iro, Dikko Mani (Maben), Department of Office Technology and Management, Hassan Usman Katsina Polytechnic, Katsina-Nigeria



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Use of Multimedia Laboratory for the Teaching and Learning of Basic Science and Technology: Prospects and Challenges.

By Muktar Aminu, Dept. Of Computer Science, Federal College of Education, Kano, Nigeria

E-Learning Uptake in Ghana's Higher Education Sector: What is Happening?

By Ben Kwofie & Prof. Anders Henten, CMI

E-Learning Technology for the Development of Rural Child Education in Nigeria

By Umar Ibrahim, Dept. Of Computer Science, Federal College of Education, Zaria, Kaduna State, Nigeria

12:10 – 13:00

Lunch

13:00 – 14:00

Paper session 4: Future Technologies I

Chair: *Ezer Yeboah-Boateng, Coordinator, Ghana ICT Conference*

Who Needs a Photographer? Challenges and Prospects of Zimbabwe's Video/Photography Industry in the Era of Mobile Phone Technology.

By Oswelled Ureke, Media and Society Studies Department, Midlands State University, Zimbabwe

Diversity Combining Techniques In Cooperative Communication Networks

By K. A. Bonsu, J. A. Ansere, A. Duodu, Department of Electrical/Electronic Engineering, Sunyani Polytechnic, Ghana

Unleashing The Potential Of Cloud Computing In Ghana: What Is It And What Does It Mean For Public Organizations In Ghana

By Samuel Tweneboah-Koduah & Prof. Reza Tadayoni, CMI, Aalborg University

14:00 – 15:30

Paper session 5: Future Technologies II

Venue: VCC

Chair: *Dr. Stephen Asunka, Head, ITSS, GTUC*

Examining Factors Influencing Development & Deployment Of Its Solutions In Developing Countries - The Case Of Ghana

By D.M.O Adjin, K. K. Tsivor, Nana Kofi Annan, CMI, Aalborg University

Rural Internet Accessibility: A Key To Development In Brong Ahafo, Ghana

By A. Duodu, J. A. Ansere, K. A. Bonsu, K. T. Djang-Fordjour, Department of Electrical/Electronic Engineering, Sunyani Polytechnic, Ghana



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Computer Aided Investigation: Visualization and Analysis of data from
Mobile communication devices using Formal Concepts Analysis
By Quist-Aphetsi Kester, Faculty of Informatics, GTUC

Cloud Computing as a Platform for Transforming Education Through e-Learning
System for National Development: Opportunities and Challenges
*By Labaran Rogers & Nwunuji Iben, Dept. Of Computer Science, Federal College of
Education, Zaria, Kaduna State, Nigeria*

15:30 – 15:50

*Summing Up and Closing Remarks
By Prof. Patrick Otoo Bobie, Registrar, GTUC
Knud-Erik Skouby, Professor & Director, CMI, Aalborg University*

16:00

Cocktail at the Forecourt of GTUC.